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CHEMIST and DRUGGIST

DECEMBER 1, 1945

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

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3434
CXLIV DECEMBER 1, 1945 Annual Subscription (with Diary) 25/-. Single copies 9d.

WRIGHT'S
Coal Tar Soap
IS THE RULE FOR
THE TOILET AND NURSERY

WRIGHT, LAYMAN & UMNEY, LIMITED
SOUTHWARK · LONDON · S.E.1 · HOP 2315

Index to Advertisers pp. 5 & 6

A Rich Background of Vitamin Experience

FOR twenty-nine years vitamin research has been a major project in the Parke-Davis Laboratories. Many significant developments, including the following, have come from this work.

The first procedure for biologically measuring the vitamin D potency of cod-liver oil.

The first officially recognised method of vitamin A assay, in which Parke-Davis research workers co-operated.

The first label statement of potencies of both vitamins A and D of cod-liver oil.

The first published recognition that vitamin B (as it was originally called) consisted of two or more components.

One of the first concentrated vitamin B preparations.

Introduction of high potency fish-liver oils—such as 'Haliverol'—which made administration of vitamins A and D much easier and more certain.

•

SEND FOR TERMS FOR PARKE-DAVIS VITAMIN PRODUCTS

•

PARKE, DAVIS & COMPANY
50 Beak St., London, W.1

Inc. U.S.A. Liability Ltd.

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

Elasto

REGISTERED

A PRODUCT OF BIO-CHEMICAL RESEARCH

Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

Varicose Veins

As a sufferer of varicose veins, I must state at before using 'Elasto' I was tortured with red and aching legs. After taking a month's pply of 'Elasto' I remark with emphasis that e feeling of tiredness and aching has vanished. all sufferers of varicose veins I certainly commend 'Elasto'—they are a boon."

P 1180.

— R. P.

Rheumatism

may say that I have found 'Elasto' a wonder- help. For years I suffered with rheumatism feet and legs, and at times found it difficult to ep about. 'Elasto,' however, afforded me immediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since."

AT 1108.

— F. T.

Varicose Ulcers

"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263.

— E. H.

HESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar periences with this fine remedy.

Recommend 'Elasto'—and a satisfied customer will recommend You!

1/6 Profit on every sale

Retail Price 5/- per pkt. * Including purchase tax.

Wholesale 42/- per doz. * Including purchase tax.

A FEW SHOWCARDS STILL AVAILABLE

PATA

The NEW ERA TREATMENT CO., LTD.

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AND FINE CHEMICALS

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INCORPORATING GEORGE ATKINSON & COMPANY, ESTABLISHED 1654
FULHAM, LONDON, S.W.6

'Phone Renown 3416

'Grams Whiffen London

"Sally and Anthony John"

Crookes Halibut Oil

Window Displays

Our comprehensive advertising campaign for Crookes Halibut Oil is now in full swing and, as usual, our advertisements inform the public that Crookes products are 'obtainable only from chemists'.

After a lapse of five years we are again able to offer you a direct link with our advertising in the form of full window displays.

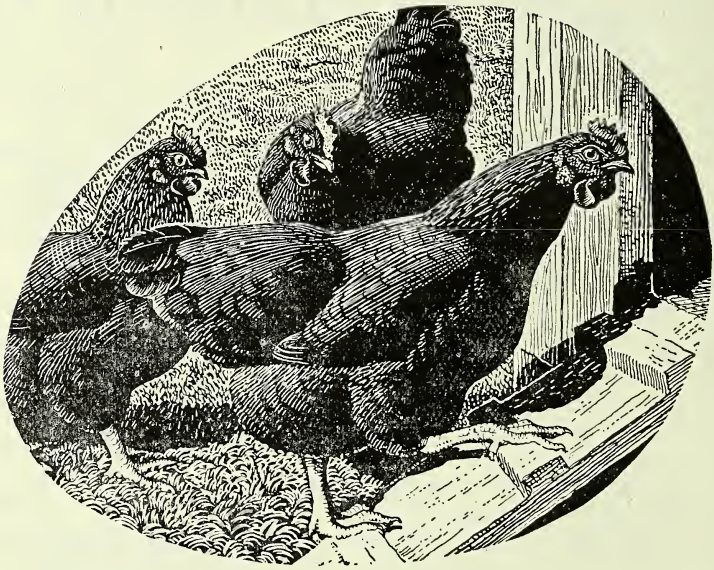
The display centres round our well-known showcard "Sally and Anthony John" together with descriptive and other decorative material.

Help the National economy effort by sending regular stock orders. Local wholesalers will meet all other demands.

This set display will be installed by Messrs. The Window Display Co. and chemists wishing to have their windows dressed are invited to apply direct, or through our representatives.

THE CROOKES LABORATORIES (*British Colloids Ltd.*) GORST RD., PARK ROYAL, N.W.10

Every poultry-run means customers for you



Wherever poultry are kept, on a big pedigree farm or in a small backyard run, the is an increasing demand for StockSense Concentrate Poultry Conditioner. B promoting vigorous health, StockSense helps birds to attain maximum egg productio and in the shortest time.

Furthermore the formula now provides each bird with a daily intake of manganes This ingredient prevents the laying of soft-shelled eggs, and is also a safeguard agai perosis (a disease of the bone joints) and slipped tendons in chickens.

See that you get your full share of StockSense sales ! Plentiful supplies are availa in all sizes: drums 7½d., 1/6 and 4/-, also 8/6 sacks. Manufactured by Bob Mar Ltd., Union Street, Southport.

STOCK SENSE

CONCENTRATE POULTRY CONDITIONE

PA

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Full supplies are now available!

'BENZEDRINE' INHALER

Menley & James Ltd. much appreciate the forbearance and understanding shown by their customers over short deliveries and delays in the despatch of 'Benzedrine' Inhalers during recent months. The difficulties which occasioned these troubles have now been overcome, and ample supplies are again available to meet all requirements.

Retail Price 2/-, inclusive of Purchase Tax

Show material on request

'Benzedrine' Inhaler is the original volatile vasoconstrictor for the treatment of head colds, sinusitis, nasal catarrh, hay fever and asthma.

Menley & James Ltd., 123, Coldharbour Lane, London, S.E. 5

B I V 2

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Prompt service in the dispensing of prescriptions is appreciated both by prescriber and patient. These British Schering products are consistently prescribed by the medical man. They are also in full supply. Our stocks are adequate—are yours ?

British Schering price list will be sent on receipt of a penny stamp (paper restrictions).

BRITISH SCHERING LIMITED

185-190 High Holborn, London, W.C.1

S7

The Directors wish to place on record their appreciation of the forbearance of their Customers during the war years. Our representative Staff were called off the road shortly after the outbreak of war either to serve in H.M. Forces or to assist in the Works.

We are not yet able to reinstate this service on account of the continued shortage of materials and labour, but shall do so as soon as circumstances permit. In the meantime, the Company welcome your valued orders and enquiries through the post, and are determined to maintain the best possible service. By so doing, they hope to retain the Goodwill and Support of the individual Pharmacist and assist him in his fight against present day competition.

Ucal

You can PROMISE 3-SECOND RELIEF from NASAL CONGESTION

To the customer in search of a remedy for nasal congestion resulting from head cold or catarrh you can make this promise for Karsodrine — *that within 3 seconds of taking two sniffs up each nostril from the Karsodrine Inhaler the congestion will recede.* Karsodrine will keep your promise because its volatile vapours, including amphetamine, afford an instant and prolonged contraction of congested nasal mucosa. The lower price and the convenient ONE-CAP container are added Karsodrine selling points.

KARSODRINE

FORMULA: *Amphetamine 0.330 grm; Cineole 0.093 grm; Ol. Citronell 0.026 grm; Methyl. Salicyl. 0.023 grm; Ol. Cedri 0.005 grm; Menthol 0.049 grm; Ol. Eucalypt. 0.089 grm.*

PATA

RETAILS at 1/6 (inc. tax) and shows you up to 5/2½d. per dozen profit even on small quantities when ordered with other 'Griffiths Hughes' lines. Send your order to E. Griffiths Hughes Ltd., Adelphi, Salford 3, Manchester.

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The trained mind of the pharmacist puts him in a unique position to view the public in cross-section. It is interesting to him to study the various types who come to him for their needs and for his advice.

Customers vary . . .

here's **THE WOMAN WHO DOES WITHOUT** — worries herself to a shadow bout food for her family but doesn't eat enough herself. *She* could do ith a cup of the Benger's she gives her husband and the children every ght. It would rest her, build up her strength and fortify her digestion ainst the danger of serious illness. *She* can't afford to be ill. Yet, note, e can afford to buy Benger's for the family and does — the No. 2 size n for economy . . .

. . but you can invariably sell them —

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90% of your customers need Benger's and are being educated to ask for it.

NGER'S LTD. HOLMES
APEL, CHESHIRE.

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We are booking orders for delivery in rotation. Our representative will be calling and will give you full particulars. As Insecticide Specialists for over 40 years and suppliers of D.D.T. preparations to H.M. Government, you can rely on these preparations being super in quality and bringing in maximum sales.

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POWDER .	1/3 &	10/-		Profit Margins

Post Your Order Now if our Representative's call is not advised

CUPAL LTD., MANUFACTURING CHEMISTS :: BLACKBURN

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The Symbol of PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

BIO-COLLOIDS, LTD., ALTRINCHAM, CHES.

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BC20

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THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

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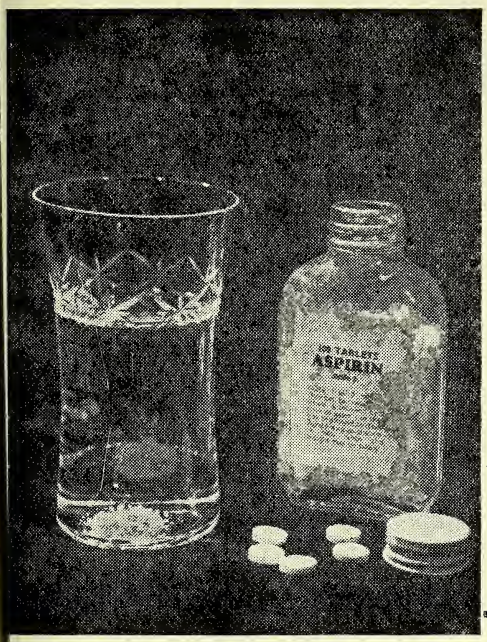

Tablets which meet the Tests . .

With official standards now the order of the day all our tablets meet the tests. Their dosage, purity and rate of disintegration are rigidly controlled by exacting analysis. Our years of experience are your guarantee.

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Retail Chemists who have not yet had stock of Dental Sticks should seriously consider obtaining supplies through their Wholesaler or direct from
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We manufacture . . . every variety of
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The DALES ASPIRIN CO. (PROPRIETOR H. A. TOLKIEN)
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PATA

To obviate delays in meeting the increasing number of prescriptions for Hormotone "T," chemists are invited to replenish their stocks now.

Orders for "HORMOTONE" "T" Brand or any of the other products listed below can be accepted for *immediate delivery from stock.*

Order through your usual Wholesaler or direct from sole distributors. "HORMOTONE" "T" Brand in bottles of 40 and 250 tablets.

IMMEDIATE SUPPLIES FROM STOCK

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Distributors :

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HORMOTONE Brand, bottles of 100 and 500 tablets. HORMOTONE Brand without POST-PITUITARY, bottles of 100 tablets. TRYPSOGEN Brand, bottles of 100 and 500 tablets. TRYPSOGEN Brand (special-coated), bottles of 100 and 500 tablets. COLOPO Brand, bottles of 40 tablets.

'A tin of BESORBON, please'

'People say BESORBON is good'

'Do you stock BESORBON?'

'I've heard BESORBON is excellent for Colds'

The demand for BESORBON medicinal snuff increases during the winter, and a display on your counter is a further reminder. Order by the dozen so as to obtain this attractive counter display box.

Obtainable through all registered Wholesale Chemists

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LABORATORY AND INDUSTRIAL GLASS APPARATUS. *(Also REPAIRS)*

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Does not contain any Scheduled Poison

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1896 P.A.T.A. 1945

P.A.T.A. POLICY

The Proprietary Articles Trade Association is a price-maintenance organisation primarily designed to ensure that its retail members (i.e. Chemists) obtain a fair and guaranteed profit on their sales of the proprietary articles included in the P.A.T.A. Protected List.

Scope of the P.A.T.A. List. The Protected List includes proprietary medicines, veterinary preparations, antiseptics and disinfectants, infant and invalids' foods, perfumery, cosmetic and toilet preparations.

To All these Proprietary Articles minimum retail prices are attached and enforced, and the allowance of dividend, bonus or rebate is prohibited.

Retail Section. The Council of the P.A.T.A. at their meeting on April 12, 1945, resolved that from that date admission to the Retail Section of the Association should be restricted to persons, firms or bodies corporate whose names appear in the statutory register of pharmaceutical premises.

Direction of Sales. It is the Council's policy to recommend manufacturers of medicinal and surgical proprietaries included in the P.A.T.A. List to do their utmost to promote the sale of such articles through chemists.

Subscription. The annual subscription to the Retail Section of the P.A.T.A. is 7s. 6d. Chemists who are members of the N.P.U. may pay their P.A.T.A. subscription through that body.

Issued by

THE PROPRIETARY ARTICLES TRADE ASSOCIATION

"OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

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OXO LABORATORY PREPARATIONS

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Indications: Menopause; Menstrual Irregularities; Uterine Inertia; Amenorrhœa; Pruritus Vulvæ; Suppression of Lactation.

Tablets: 1000 I.U. Ampoules: 1000-50000 I.B.U.

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Indications: As for Oestrin.

A highly potent œstrogenous substance for oral administration.

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Ampoules: 1.0 mg., 2.0 mg. and 5.0 mg.

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Licensed and standardised in accordance with the Therapeutic Substances Act. For the Induction of Labour; Uterine Inertia; Post Partum Hæmorrhage; Surgical Shock; Diabetes Insipidus.

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Useful for the treatment of Asthma; Epistaxis; Tonsilitis; Hay Fever; Influenzal Crisis; Surgical Shock; etc.

Solution: 1 in 100 and 1 in 1000 Ampoules: 1 in 1000.

OXO LIMITED
THAMES HOUSE, LONDON, E.C.4

OXO LABORATORY PREPARATIONS

Dear Mr. Chemist,

Yours is one of the few shops in any town to which people still come for advice—for your advice. Now what do you advise for that most common of all complaints—constipation? You want, of course, to restore normal regularity. That indicates M.O. (Magnesia Oil). Instead of whipping the tired muscles into over-stimulated activity, M.O. rests them, and, at the same time, procures a complete cleansing of the entire colon. With decreasing doses the bowel muscles gradually recover their tone and normal activity. M.O. is the ideal laxative with gastritis, gastric ulcer, duodenal ulcer, haemorrhoids, because it is completely non-irritating. In pregnancy and the constipation usually associated therewith M.O. eliminates morning sickness, for it is an antacid as well as a laxative.

8-oz. bottles retail at 3/1d., 16-oz. at 5/7d., tax included. Your sales net you 33⅓%—more if you display M.O., for there is a bonus of one free in every dozen, either size. There is no shortage of M.O. You can obtain it from your usual wholesaler.

Yours faithfully,
MUSTEROLE FINE PRODUCTS CO., LTD.

COLD FACTS

As the thermometer drops, the number of colds increases—and your sales of ANTIPHLOGISTINE go up. Check your stocks now and be prepared.

ANTIPHLOGISTINE, the ready-to-use medicated poultice, helps to relieve those distressing symptoms of a chest cold, cough, tightness of the chest, muscular aches and pains.

It maintains Moist Heat for many hours.

Antiphlogistine
TRADE MARK

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LONDON, N.W.9

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FEBRIFUGE
FOR QUICK SALES
Geo. Jackson & Sons, Ltd., Harpurhey, Manchester

P.A.T.A.
NERVE POWDERS
E.N.T.
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A STEADY INCOME
—is assured if you stock E.N.T. Powders and Capsules. Good stock, good formula and good profit bringers. *Write for our special terms.*
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OCCASIONAL PILLS

THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY
and all Sundries Houses

RIDDOBRON ASTHMA INHALANT

HAS NOT ONLY SECURED AN UNPRECEDENTED SUCCESS AS THE **MOST EFFICIENT TREATMENT FOR**

ASTHMA, BRONCHITIS AND EMPHYSEMA

BUT IT HAS ALSO PROVED A REMARKABLE BUSINESS GETTER OWING TO THE CONSTANT FLOW OF REPEAT ORDERS.

INCREASE YOUR TURNOVER BY RECOMMENDING RIDDOBRON TO ALL YOUR ASTHMATIC CUSTOMERS

SPASMOPURIN SUPPOSITORIES	Adjuvant to RIDDOBRON inhalation Treatment. Angina Pectoris, Arteriosclerosis, Dysmenorrhoea.
RIDDOSAN INHALANT	Adjuvant to RIDDOBRON Inhalation Treatment. Indispensable for: BRONCHITIS, LARYNGITIS, TONSILLITIS, CATARRHS, HAYFEVER, HOARSENESS AND SORE THROAT.

RIDDELL INHALERS GUARANTEE THE BEST RESULTS

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"THE LEADING HOUSE FOR INHALATION THERAPY"

AXTELL HOUSE, WARWICK ST., LONDON, W.1

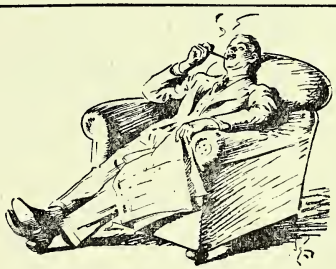
Also at 12 Mosley Street, Manchester

P.A.T.A.

Introducing-

Supol

HAEMORRHOIDAL SUPPOSITORIES



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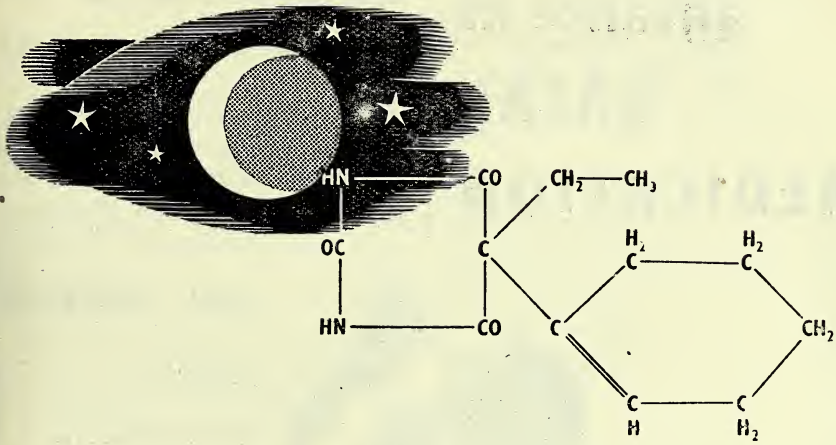

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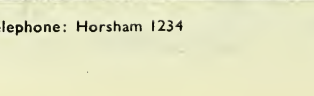

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NEWS OF THE WEEK

Health Congress.—The Royal Sanitary nstitute is organising a Health Congress to e held in Blackpool, June 3 to 7, 1946.

N.P.U. By-election Result.—Voting in the y-election for a member of the Executive the National Pharmaceutical Union, orth-western Area, Division I, resulted in e election of Mr. P. Varley, 65 Holmfield oad, Blackpool, with 178 votes. The mber of voting papers returned was 253, d the unsuccessful candidate was Mr. A. Eccles, Oswaldtwistle (105 votes).

Pharmaceutical Council Election. — A rection has been given by the Lord esident of the Council concerning the ction of members of the Pharmaceutical ciety's Council in 1946. It provides for minations of members for election as embers of Council or as auditors to be eived on or before February 18; notices be posted to nominees on or before bruary 20; nominees' acceptances to be eived on or before February 28; and for ing papers to be dispatched not later n April 1.

Research Questionnaires.—Questionnaires on industrial research in Britain have been sent out by the Industrial Research Committee and Secretariat of the Federation of British Industries. One is addressed to manufacturers who are carrying out research and development, and a second to firms and organisations offering to industry facilities of an analytical, testing, consultant, research or development nature. The membership and terms of reference of the Industrial Research Committee by which the questionnaires have been issued have been made known. The Committee is under the chairmanship of Sir William J. Larke, K.B.E., D.Sc., and includes Drs. W. T. K. Braunholtz, F.R.I.C., P. Dunsheath, D.Sc., W. H. Glover, F.R.I.C., W. T. Griffiths, F.R.I.C., and C. C. Paterson, D.Sc., F.R.S., Mr. F. G. W. King, B.Sc., Sir Robert Pickard, D.Sc., F.R.S., and Sir Frank Smith, D.Sc., F.R.S. The terms of reference are to encourage industrialists to devote a more adequate part of their resources to research, to facilitate co-operative research, provide information on research questions, compile

information, encourage education and issue information to the Press. The secretariat offers a confidential consultative service and advice regarding research and educational endowments, grants and scholarships, but does not itself carry out research work of any kind.

Secretaryship Confirmed.—A recommendation that Mr. H. W. Thomas, Weston-super-Mare, should be appointed local P.A.T.A. secretary has been confirmed by the Proprietary Articles Trade Association.

Commercial Travellers' Court.—The annual Court of Governors of the Commercial Travellers' Benevolent Institution will be held at 4B Frederick's Place, London, E.C.2, at 12 noon on December 28.

Premises Destroyed in the War.—N. V. Handelmaatschappij L. I. Akker state that their premises at Van Alkemaderstraat, Rotterdam, were destroyed in May 1940. Their temporary address is Insulindestraat 50–52, Rotterdam, Holland.

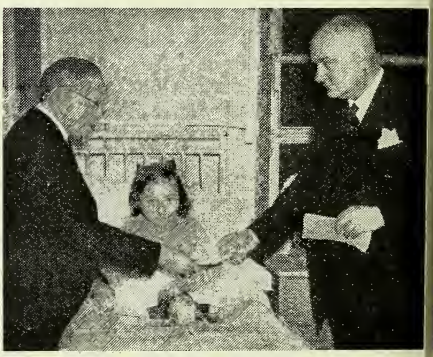
Light Industry in Scotland.—A considerable expansion of light industries in Scotland, including that of pharmaceutical products, was predicted by Sir Steven Bilsland (chairman, Scottish Industrial Estates) at a Press conference recently.

Limerick Dinner and Dance.—The committee in charge of a pharmaceutical dinner and dance which has been arranged to take place at the Desmond Hall, Cruise's Hotel, Limerick, on December 12, hopes for strong support from chemists from neighbouring towns, now that travel restrictions have been lifted. Early application should be made for tickets.

Manchester Whist Drive.—A whist drive, organised by the Junior Branch of the Manchester Pharmaceutical Association, was held at the Houldsworth Hall, Manchester, on November 14. Prizewinners were the Mesdames Hampson, Holmes, and Warburton, Miss Davidson, Mrs. Lumm, and Mr. W. Wilkinson. Prizes were presented by Mrs. W. Wilkinson (wife of the president of the Association).

Southend Branch.—Southend Branch of the Pharmaceutical Society recently heard a lecture by Mr. D. G. Ardley on the history, chemistry, application and comparative values of the various sulphonamide compounds and penicillin. About a hundred and fifty chemists, their staffs, and interested friends were present. The specific advantage of each compound was dealt with in some detail. Much of the time was spent in darkness owing to the failure of the electricity supply.

Gifts of Hospital Cots.—Hospital cots have been donated by Cow & Gate, Ltd., to the Hospital for Sick Children, Great Ormond Street, London, W.C.1, and Queen Charlotte's Maternity Hospital, Goldhawk Road, London, W.6. At the first ceremony, which took place on November 21, Mr. Ernest E. Taylor and Colonel Gates (directors of the company) unveiled the cot an presented to Lord Southwood a cheque fo £1,000 in acknowledgment of hospital ser vices rendered to sick children throughou its history, but in particular during th years of war. Lord Southwood thanke the donors for their generosity, and referre to the happy relationship that had existe between the hospital and Messrs. Cow Gate for many years past. The secon ceremony took place on November 2 when Colonel Gates again presented cheque for £1,000. The donors were thanke on behalf of the hospital by the Matron.



Lord Southwood receiving cheque from Mr. E. E. Taylor

Pharmacists' Say in Health Service.—A a meeting of the Derby Branch of th Pharmaceutical Society held on Novemb 14, the speaker was Mr. W. J. Tristram member of Council). Mr. Tristram dwelt a length on the work of the Joint Committe on a Pharmaceutical Service. Answerin questions, he said that in the new Nation Health Service a twenty-four-hour servi would be needed. The Society represente 20,000 members, and they should have say in the matter. Young doctors appear to be keen on the new proposals, a opposition to health centres seemed to ha diminished. Mr. Taylor put in a plea f

the use of films as an educational medium for pharmacists. A vote of thanks to Mr. Tristram was proposed by Mr. H. H. Peate and seconded by Mr. L. Stobart. Officers elected for the year were: *Chairman*, Mr. S. Taylor; *Vice-chairman*, Mr. L. Stobart; *Treasurer*, Mr. C. Daykin Turner; *Secretary*, Mr. W. Owen Roberts, 3 Market Place, Derby.

Irish Drug Association.—Following a committee meeting of the Irish Drug Association held on November 12, the attention of members was drawn to a reply given by Hygeia, Ltd., to an invitation from the secretary to place DDT on the approved list. The company expressed regret at their inability to do so at this stage. It was explained that the supply position, already difficult, had been aggravated by the docks strike in England. With the settlement of the strike, and the arrival of a considerable consignment of absolute alcohol, adequate supplies would be available for all almost immediately, and everything possible was being done to give equitable distribution. Retail pharmacists would have priority over other retailers. It has been decided to apply the retail prices of a proprietary malt and oil of Canadian manufacture to a consignment of the same maker's product of English origin now being imported. Discounts mentioned in a special notice addressed to members on the preparations of an ethical preparations manufacturer applied only to such preparations and would be reduced in price on February 1, 1946. A direction was stated to have been issued by the law committee of the Pharmaceutical Society of Ireland requesting the committee to reissue a warning to members about the dangers of selling loose any chewing-gum containing laxatives.

International Pharmaceutical Federation.—Meetings of the Council of the Fédération Internationale Pharmaceutique were held in London on November 20 and [illegible]. Members present were: Dr. E. Höst Madsen (president) and Professor Baggesgard Rasmussen (Denmark), Dr. T. [illegible]jewijd (secretary) and Professor van [illegible] (Holland), and Mr. E. Saville Peck (Great Britain). Also present at the first session were Messrs. J. C. Young (president of the Pharmaceutical Society), H. N. Linstead (secretary) and W. K. Fitch. Mr. E. Saville Peck resigned from his position as vice-president, and it was agreed that Mr. H. N. Linstead should hold office until the next general meeting of the Federation, at which vacancies on the Council would also be filled. Among the matters discussed were closer co-operation with the United States and British Dominions, re-establishment of the Federation's "Bulletin," contact between pharmaceutical societies in all countries, permanent values of certain war-time substitutes for pharmaceutical products, control of composition of proprietary medicines by exchange of standard analytical methods, and publication of monographs on new chemical compounds. Dr. C. H. Hampshire (secretary, British Pharmacopœia Commission) spoke on the progress towards an international pharmacopœia.

Somerset N.P.U. Branch.—At a meeting of the Somerset Branch of the National Pharmaceutical Union held at Taunton on November 8, with Mr. H. S. Hoyles, Wellington, in the chair, Mr. E. Skues (a member of the Executive) spoke on "Problems Ahead." He gave first place to the new Medical Service Bill likely to be introduced into the House of Commons early in 1946. Time spent in discussion with the previous Minister of Health had not necessarily been wasted. The attempt must be made to secure main points previously agreed on, with certain additional ones if possible. The public interest should be the dominating factor, and it would surely be contrary to public interest to concentrate all the dispensing for a town the size of Taunton in a single central dispensary. If the health service was to be of the greatest value to the public, it must be freed from any institution atmosphere and from regimentation. The N.P.U. was fully alive to the position, and was trying to secure the formation of a Joint Negotiating Committee, representing all interests concerned. Other problems mentioned by the speaker were the revision of National Health Insurance dispensing terms; the absorption of privately-owned pharmacies by multiples and "co-ops"; widespread distribution of proprietary medicines; and possible future attacks on trade protection associations such as the Chemists' Friends Association and Proprietary Articles Trade Association. Mr. Hoyles (chairman) thanked Mr. Skues, and the motion was seconded by Mr. K. E. Jordan, Taunton, and carried.

SUBSCRIBERS' CHANGES OF ADDRESS.

When notifying changes of address it is essential that subscribers should state both the old and the new address.

SOUTH AFRICAN NOTES

Uranium Deposits to be Controlled.—Sole rights to prospect for uranium and thorium in South Africa have been vested in the South African Government. The regulations apply also to the mandated territory of South-west Africa.

Penicillin Inquiry Demanded.—Durban city council has decided to request the Secretary of Public Health to investigate the effect of indiscriminate use of penicillin, so as to avoid militating against its value in the treatment of major infections. The question came before the Durban city council as a result of a report by the city's medical officer of health, who expressed the opinion that penicillin should only be used in large doses, as smaller ones, such as would be present in a lozenge, might tend to produce resistant strains of bacteria to which at the moment it is highly potent. Mention was made of possible dangers arising from the sale of penicillin lozenges to the public, as no independent test has been made as to their potency.

Control or Decontrol?—Commercial interests in South Africa do not seem to have reached agreement on the desirability of early removal of Government controls such as have existed during the war. Pharmaceutical chemists held a conference and resolved to ask the Government not to remove the controls. The resolution was taken some months ago, and it was suggested recently that chemists might by now have changed their views. Some suspicion was prevalent at the time that the motion had been dictated by self-interest, since chemists have always felt that toilet and medicinal lines should be restricted to them. At the same time, most South African chemists are eager to increase their imports of British goods, and those who are eager for removal of all controls have said that import control has been used by the authorities to protect South African industries.

Dominion-made Protein Concentrates.—Predigested protein concentrates are being processed from meat at a pilot plant in Durban, and it is being found possible to procure large quantities in powdered or liquid form. "In every case in which the protein concentrates have been used," it is claimed, "the tuberculosis patient has steadily put on weight and his resistance against the disease has increased." It is understood that the Government, the Red Cross Society of South Africa, and other organisations have interested themselves in the developments, and it is possible that an important industry may result. The process is one perfected some years ago by a Natal veterinary surgeon. More recently the president of the South African Red Cross Society was approached to consider the process, so that nutritious foods, mainly for the devastated countries to be rehabilitated under UNRRA, could be provided. An expert committee was appointed to examine the possibilities, a pilot plant was established in Durban, and during July and August the proteins were used with encouraging success on tuberculosis patients who were experiencing loss of weight. Further trials of the preparations are being carried out.

Health Plans Not Welcomed.—Pharmacists in South Africa are strongly opposed to some of the recommendations made in a report issued by the National Health Services Commission, according to a statement issued jointly by the South African Pharmacy Board and the Associated Pharmaceutical Societies of South Africa. A recommendation by the Commission that private practice for pharmaceutical service in the national health organisation should only be retained until sufficient druggists can be trained to do work on a State basis is rejected. The Commission lays stress on proper facilities for housing, clothing, education and food, and the pharmacists urge that while the distribution of these essentials continues to be through private enterprise, it is unjust to demand socialisation of the pharmaceutical services. Strong exception is taken to a paragraph implying that not more than 20 per cent. of the activity of the average chemist's shop is taken up by genuine dispensing. The pharmacists' statement points out that, in order to give the service involved in dispensing work to an extent to account for 20 per cent. of the turnover in an average pharmacy, 50 per cent. of the chemist's time is required. The remaining time is not in any sense wasted, because it is occupied in other professional and ethical duties, which are part of the chemist's normal duties and of the service he renders to the public. It is further pointed out that a national health service advisory committee has been established but that no step has been taken towards having a chemist or druggist appointed to that body.

TOPICAL REFLECTIONS

Technological Education

In the summer of last year you devoted three editorial articles to the subject of scientific and industrial research in its relation to universities, technical colleges and industries. A further contribution to this subject has just appeared in the form of conclusions drawn up by a committee appointed by the Ministry of Education (p. 556). The fundamental recommendation of this committee is that technical colleges should institute courses with a standard equivalent to that for a university degree, but with a different choice of subjects. For two reasons I welcome this pronouncement. One is that the increasing differentiation of scientific knowledge involves increasing specialisation by students after qualification, or even before; the other, that an aptitude—sometimes hereditary, it seems—for handling apparatus of many kinds should not be unduly held in check by the claims of theoretical studies. An obituary notice of Dr. F. W. Aston, whose death has been announced since you went to press with your last week's issue, affords striking instances of results achieved by the combination of scientific insight with masterly skill in devising complicated apparatus. It is there mentioned ("The Times," November 22) that in working on isotopes Dr. Aston designed a new microbalance; and that, dissatisfied with the results obtained, he built an automatic fractional diffusion apparatus which could work unattended for long periods. Other inventions of his included a positive ray apparatus able to measure atomic masses with unprecedented accuracy, and an improved mass-spectograph. Men of such brilliance as the late Dr. Aston are admittedly few; but that is no reason why technical colleges should not strengthen the foundations on which they can build.

Science and the Classics

An important point of policy is involved in an adequate consideration of this subject—the relation between universities and technical colleges. The report referred to rightly insists on a "two-way traffic" between the two kinds of institutions. It is to be expected that the present differentiation of function will long remain. If, however, the suggestions of the Percy Committee are adopted, something will have been done towards abolishing the illusion that a classical education is necessarily superior to a scientific education. I have lately been reading the short "historical sketch" of Trinity College, Cambridge, by Dr. G. M. Trevelyan, O.M., published in 1943. As is well known, this college is of outstanding fame in its men of science—witness the names of Sir Isaac Newton, Sir James Frazer, Sir Joseph Thomson, and the late Dr. Aston. On the classical side, the college had as Master for forty-two years in the eighteenth century Richard Bentley, perhaps the greatest classical scholar that England has ever produced. But the price paid for the prestige of his name and for his improvements to the structure was high. Dr. Trevelyan wries: "For forty years . . . he kept not only the College but the University simmering and exploding with angry broils, punctuated by rival pamphlets and involving a ceaseless succession of lawsuits, an element which he enjoyed as a fish the water, or rather as a salamander enjoys the fire." One cannot help reflecting that the thoughts of those responsible for the selection might preferably have turned to Newton, Bentley's contemporary.

Therapeutics in History

A scholarly survey of therapeutics from the beginning of recorded history is always welcome; and Professor Noah Morris's lecture at Edinburgh (p. 561) will be read with interest and profit. Professor Morris has woven into the fabric of his narrative the conceptions and influences that have been most productive in medical practice. Thus, for instance, we read: "The Hippocratic school of Cos formulated the view that has revolutionised medical science, viz., that disease is a natural process and that there is a natural tendency for the diseased individual to recover. . . ." Again: "Though Galen vehemently protested against basing treatment on theories as to the constitution of the world and man, he left medicine rich with hypotheses that soon became dogmas." At a time when systems of treatment outside the profession of medicine are much in evidence, it is worth remembering that "the seventeenth and eighteenth centuries saw the full blossoming of various systems of medicine which exerted powerful, if transient, influences on the art of healing." During those 200 years there were, in fact, some systems that may fairly be called eccentric within the profession. Usually they were one-man systems, destined to fade out with their authors.

Xrayser

LEGAL REPORTS

Supplies in Excess of Quota.—At Edinburgh sheriff court, on November 23, a fine of £1,000 was imposed on J. T. Coats & Co., Ltd., manufacturing chemists, 105 Broughton Street, Edinburgh, on a charge of supplying to their five Edinburgh branches, between September 1943 and December 1944, articles in excess of quota to an amount of £2,578. A plea of guilty had been entered. The case arose as a result of investigations made by the Board of Trade, the Customs and Excise authorities, and the Crown, into other contraventions. On behalf of the company it was stated that only two of the directors, and none of the shareholders, knew about the transactions, and it was submitted that the offence was technical. Prior to the hearing of the case, the company's former managing director (John Talbot Ferguson), who pleaded guilty to six charges brought under the Finance Act and Defence (General) Regulations, was remitted to the High Court. On behalf of Ferguson it was pointed out that, although it was his hand that had been responsible for the various falsifications, his was not the brain which conceived the scheme that had brought him into Court, nor was his the main profit.

Power to Prosecute.—At the West London magistrates' court, on November 20, during a hearing of summonses against London & Suburban Chemists, Ltd., Old Burlington Street, W.1, alleging the sale of a preparation containing a poison, without the sellers being authorised sellers of poison, defending solicitor challenged the right of the Pharmaceutical Society to take proceedings against persons other than registered pharmacists or authorised sellers of poisons. The charges concerned the sale of Tusso bronchial syrup, a preparation containing codeine, and supplying the preparation in a container not labelled with the name and address of the seller; the charges were dismissed on payment of £26 5s. costs. For the Pharmaceutical Society, by which the prosecution was brought, it was stated that the company had been incorporated in June 1945 for the purpose of taking over a pharmacy at Notting Hill Gate. The business had been put in charge of a Mr. Fox, who was without any pharmaceutical qualification; no one else had been employed in the business. When interviewed, Fox replied that he had no idea that the mixture contained poison. Defending solicitor put forward the contention that the penal statute restricted the Society from taking action against members not on the Register. It was the duty of the local authorities, he said, to appoint inspectors. The magistrate stated that, in his opinion, it would be ridiculous to give the Society's inspectors power to enter and question without power to prosecute. He agreed that there was something in the solicitor's argument and thought the section should be made clear.

INQUESTS

Child Drinks Wintergreen.—A verdict of misadventure was recorded at an inquest at Birmingham recently on a three-year-old child who found and drank quantities of oil of wintergreen.

Throat Tablets Overdose.—At an inquest at North Middlesex Hospital, recently, a verdict of death due to misadventure was returned on Mrs. F. J. Day, who died from an overdose of tablets of potassium chlorate. Mrs. Day was stated to have admitted taking twenty tablets daily.

Corrosive Sublimate.—A verdict of "suicide while the balance of mind was disturbed" was returned at an inquest at Walsall, recently, on W. A. Stubbs, Prince Street, Walsall, who was stated to have taken 100 to 140 times the fatal dose of mercuric chloride.

Cyanide Suicide.—At a resumed nquest at Sutton on September 18 on Margaret Owen, seventeen-year-old laboratory assistant, Mayfield Road, Carshalton, Surrey, who was found dead in her bedroom after poisoning herself with cyanide of potassium, a verdict was returned that she took her life while the balance of her mind was disturbed.

Child Poisoned with Strychnine.—At Manchester recently a verdict of misadventure was returned on a fourteen-months-old child who died from strychnine poisoning after taking tablets from a box of tonic tablets issued to his mother. The coroner commented that in his opinion it would be desirable if customers were warned when a prescription contained a dangerous poison.

Paint-removing Solution.—Returning a verdict of death by misadventure on a sixty-four-year-old painter who suffered burns from a paint-removing solution at Cardiff, recently, the City Coroner recommended that tins containing the solution should be labelled with a warning that the contents were inflammable. The solution had caught fire while the deceased was removing black-out paint. The cause of ignition was not stated.

COMPANY NEWS

WILSONS CHEMISTS (FYLDE), LTD. (P.C.).—Capital £1,000. Chemists, druggists, etc. Audrey Wilson and John K. Wilson, directors. R.O.: 33 Poulton Road, Fleetwood, Lancs.

CRAIG & PARSONS, LTD. (P.C.).—Capital £2,000. Chemists and druggists, chemists' sundriesmen, etc. Cyril C. Craig, 39 Erskine Road, Sutton, Surrey, and Henry B. T. Parsons, 139 Oakhill Road, Sutton, Surrey, directors.

SELTO (EASTBOURNE), LTD. (P.C.).—Capital £1,000. Manufacturers and dealers in tooth powders, pastes and dentifrices, etc. George Checkley, M.P.S., and Gladys Fane, directors. R.O.: The Triangle, Hampden Park, Eastbourne.

AERO-PED, LTD. (P.C.).—Capital £100. To acquire the formulas of a preparation, Aero-Ped, and to enter into an agreement with Colloidal Chemists, Ltd. E. H. Maddick and P. M. F. Hunger, directors. R.O.: 35 Bessborough Place, London, S.W.1.

PHILLIPS, SPENCER, DAKERS & CO., LTD. (P.C.).—Capital £10,000. To acquire a business of manufacturing chemists carried on as Phillips, Spencer, Dakers & Co., 35–37 Low Friar Street, Newcastle-on-Tyne. John Dakers, M.P.S., and Amy Russell, directors. R.O.: As above.

CRAGG & SHEPHERD, LTD. (P.C.).—Capital £7,500. To acquire the business of a chemist and druggist carried on by Sarah E. Cragg, as Cragg & Shepherd, at 212–14 Arkwright Street, Nottingham. Sarah E. Cragg, Arthur Shelton, Ella Marshall and Keith S. H. Bert, directors. R.O.: As above.

A. BISHOP CLARK, LTD. (P.C.).—Capital £5,000. Manufacturers of and dealers in drugs, herbs, chemicals, toilet goods, etc. A. J. T. Clark, H. G. Woodward, W. C. Lawson, R. Wilkinson and A. Gardner, directors. R.O.: Thorneywood Works, Thorneywood Lane, Thorneywood, Nottingham.

M. W. HARDY & CO., LTD., chemical merchants, London.—Sir James Ritchie has joined the board of directors as chairman of the company.

BUCKLEY-BOWKER TABLET CO., LTD.—Mr. James Frederick Buckley, son of the late Mr. James Francis Buckley, has taken over his father's position with the company as co-director with Mr. C. W. Bowker.

ROBINSON & SONS, LTD., Chesterfield.—Colonel V. O. Robinson has been appointed chairman in succession to Mr. C. W. Robinson, who has resigned. Colonel Robinson is also chairman of the subsidiary companies: Cellulose Wadding Supplies, Ltd.; Cotton Dressings (Pty.), Ltd., Australia; R. O. Chesterfield, Ltd., New Zealand; and J. J. Blow, Ltd. (milk filter-mediums, etc.). Mr. Harry Hubbuck has succeeded his brother as general manager of the cotton and cellulose works upon the latter's retirement.

PROTECTION ORDER.—Horace Lawrance Murray, drug-store proprietor, 14 Electric Parade, Clacton-on-Sea, Essex, has been granted a Protection Order under the Liabilities (War-time Adjustment) Act, dated November 2, 1945.

WINDING-UP REPORT.—A general meeting of Improved Emulsification Process Co., Ltd., will be held at Falcon Works, Loughborough, at 2.15 p.m. on December 18, to hear how the winding-up of the company has been conducted.

Voluntary Liquidation.—WALLASEY CHEMISTS LTD., wholesale chemists, Wallasey. A meeting of creditors was held recently. Liabilities were shown at £1,321, made up as follows: Trade creditors, £775; cash claims, £285; bankers, £249; rent, etc., £12. After allowing £99 for preferential claims, and £120 estimated cost of realisation, net assets were £505 18s. 4d., or a deficiency, as regarded the creditors, of £815 13s. 11d. The company was formed by several chemists in 1918, to facilitate the purchase and distribution of goods between members. Issued capital was £235. Trading was successful up to 1942, but in that year a loss of £170 was sustained. By September 1943 the debit on the profit and loss account had increased to £1,162. The position was attributed entirely to war-time difficulties. No directors' fees had been charged or paid since the inception of the company. The bankers held third-party guarantees in respect of the amount due to them, and certain of the loan creditors had agreed to withdraw their claims. A resolution was passed confirming the voluntary liquidation of the company with Messrs. Parkin S. Booth and F. Hiscocks as joint liquidators. A committee of inspection was also appointed.

THE WEEK IN PARLIAMENT

by a Member of the Press Gallery, House of Commons

LIEUTENANT-COMMANDER GERALD WILLIAMS asked the Minister of Agriculture whether, before the commencement of the next fruit spraying season, he would arrange for his experts to make a categorical statement as to the extent to which DDT could usefully and safely be employed. MR. TOM WILLIAMS replied: I am arranging for a notice to be published regarding the use of DDT by farmers and horticulturists. But until further research and experiment on the practical application of this new insecticide have been carried out, any statement issued must necessarily be in general terms. LIEUTENANT-COMMANDER WILLIAMS asked for an assurance that the statement would be made, in view of suggestions in the Press that fruit trees could be killed by DDT. MR. WILLIAMS replied that the statement would be made before the next spraying season.

Source of Seed Lymph

MR. VIANT asked the Minister of Health (Mr. Aneurin Bevan) what were the original sources of the various seed stocks of lymph now in use at the Government lymph establishment; and whether rabbits were still used in the manufacture of lymph.

MR. BEVAN replied that he was advised that the lymph made at the Government lymph establishment was derived from seed lymph obtained from Cologne. Rabbits were used in connexion with the reinvigoration of the lymph.

Workers for Optical Trade

Delays of two to five months in obtaining new spectacles were the subject of a question to the Minister of Labour, on November 20, by MR. HAROLD SUTCLIFFE, who asked if the Minister would consider the release under Class B of skilled men for the workshops. MR. ISAACS replied that he had every hope that the position would improve with demobilisation and releases from munitions production, and did not consider he would be justified in extending Class B releases as suggested. He quoted a previous statement made by the Minister of Supply that the production of spectacle lenses was already back to pre-war level. MR. SUTCLIFFE: Will the Minister of Labour bear in mind that the average age of workshop employees in this industry before the war was only twenty-five, and their demobilisation in the ordinary way is a long way off?

Class B Releases (Export Trades)

MR. LANG asked the Minister of Labour if, in view of the need for increase in export trade, he would arrange for Class B releases of members of the Forces who were managers of export trade departments prior to joining the Forces. MR. ISAACS: Yes. I have for some time been recommending release in Class B of individual specialists duly sponsored by the Board of Trade for key posts in export trade.

Soap Rationing

On November 21, LIEUTENANT SHEPHERD asked the Minister of Food if he was now able to dispense with the recently announced modification of soap rationing as this was imposing additional clerical work upon the trade. SIR BEN SMITH replied that it was necessary to maintain the recent changes so long as soap was in short supply. LIEUTENANT SHEPHERD: Is not the Minister aware that if the industry could get a few more men it could produce enough soap? SIR BEN SMITH: Oil and fats are among the things which are in the shortest supply in this country at the present moment.—There was no reply to an inquiry by VISCOUNT HINCHINBROOKE as to the steps the Minister was taking to secure that oils and fats which previously had gone to the armaments industry were now being made generally available.

Labour Control

A statement about labour controls was promised on November 22, when MR. R. A. BUTLER asked the Minister of Labour whether he was aware that the administration of the Control of Engagement Order was becoming more difficult to operate; whether he was in a position to announce any relaxation of the Order, and the policy of the Government on the future of labour controls. MR. SKEFFINGTON asked if the Minister of Labour would consider removing the provisions of the Essential Work Order from all male labour over forty-two years of age. MR. ISAACS: I propose to make a comprehensive statement shortly about labour controls. MR. BUTLER: Is the Minister aware that there has been very considerable delay in dealing with this matter in which both sides in industry are interested? Is he further aware that the Regu

lations are at present being defied, and is he taking proper action to see that they are enforced? MR. ISAACS: That there has been delay is admitted, but it is not avoidable delay. It is necessary to examine the question of labour control, the right of men to seek employment, and the right of a man to choose whom he wishes to employ, at the same time as the other economic controls and the urgent need of certain industries for work of vital importance. The whole thing is being examined together.

Continuation of Controls

On November 20, the House of Commons gave a second reading to the Emergency Laws (Transitional Provisions) Bill, which authorised the continuance of further controls by 290 to 123. The Bill maintains, until the end of 1947, fifty-one defence regulations, or parts of them, and twenty-eight provisions in other defence regulations. The Opposition gave battle once, with a powerful speech by MR. W. S. MORRISON, who said the measure was a list unrelated mass of disjointed topics. He spoke of a "gradual process which seems to me to amount to a stealthy encroachment upon the standard of our pre-war liberties," and called on Members to be vigilant against the undue assumption of unchallengeable authority by the Executive.

Glass Containers for Cosmetics

WING-COMMANDER ROBINSON asked the President of the Board of Trade on November 26 if he was aware that producers of cosmetics for export were having to refuse orders owing to inability to obtain glass containers and that, as a result, the markets were being lost to American competition; and whether he would permit the glass manufacturers to release sufficient glass containers to the manufacturers of cosmetics to enable them to retain their overseas markets. SIR STAFFORD CRIPPS replied: Yes. Everything is being done to increase the labour force in the glass-bottle industry so that more containers can be made available for export industries and other essential purposes.

MR. SYDNEY MARSHALL asked the President of the Board of Trade on November 20 whether, in view of the fact that producers of lactose in this country who have been encouraged to erect plant to enable their output to assist in the manufacture of penicillin, now found their product not required for the purpose but were unable to dispose of it elsewhere, he would limit the importation of that material in order that the home producers might have a chance to dispose of their output. SIR STAFFORD CRIPPS replied: No lactose is being imported at present.

INSURANCE ACT DISPENSING

Prescription Pads.—It is announced that no objection will be raised by the Paper Control Department of the Ministry of Supply to an increase in the present size of prescription pads, provided that any increase is absolutely necessary.

Birkenhead.—The Insurance Committee has approved a proposal by the Pharmaceutical Committee that the general hour of closing chemists' shops in the borough should be 6 p.m., with a 7.30 p.m. late rota, for the period November 1, 1945, to February 28, 1946.

Derbyshire.—On the suggestion of the North-east Midland Prescription Bureau, the Insurance Committee has decided to bring to the notice of each chemist on the panel the necessity of endorsing scripts for proprietary preparations with the maker's name. Doctors are to be asked to co-operate.

Hull.—Prescriptions dispensed in the area of the Insurance Committee during the four months December 1944 to March 1945 totalled 1,945,714, against 1,944,256 in the corresponding period of the previous year.

Leicester.—The chairman of the Insurance Committee, in his annual report given recently, stated that Leicester would prove to have an inadequate dispensing service if a serious epidemic were to break out; six pharmacies had been closed for National Health Insurance dispensing owing to the impossibility of obtaining qualified dispensers. The question of the release from national service of qualified chemists was one of extreme importance. Although it was possible now to press for the release of pharmacists on certain grounds, the conditions for release were far too stringent, and applications had no chance of being successful except in extremely urgent circumstances. The chairman also announced that a revised list of chemists' hours had been prepared locally. Insured persons in the area under the Committee totalled 124,985, and the total expenditure during 1944 was £102,585.

Liverpool.—In the Insurance Committee's area in 1944, 1,589,845 prescriptions were issued to insured persons. The figure was similar to that for 1943, but the cost was £2,000 more.

TRADE NOTES

Available for Export.—Cheritone tonic tablets are available for export, in bottles of two sizes, from the makers, Cheritone Co., Ltd., 149 Farringdon Road, London, E.C.1.

Bath Cleaner.—Slip Products Co., Ltd., Ling House, Dominion Street, London, E.C.2, offer Liquislip bath cleaner for the removal from baths of stains of all kinds "with unbelievable ease and speed."

Change of Distribution.—Allied Laboratories, Ltd., point out that their products are now being distributed by their own organisation and not as stated in the company's advertisement of November 24.

Price Correction.—An advertisement for Kaladex, which appeared in a recent issue of the *C. & D.*, included incorrect prices. Retailers are asked to note that the correct prices of the product are 3s. 4d., 5s. 7d. and 13s. 4d. per bottle.

DDT-Geigy Dusting Powder.—D. Devon, manufacturing chemist, 9 Norfolk Place, London, W.2, is offering DDT-Geigy dusting powder in drums and cartons under the brand name Devon. Terms are given elsewhere in this issue.

Analgesic Tablets.—Trade terms for Nervoid tablets, a speciality for the treatment of influenza, colds, headaches, neuritis, neuralgia, etc., are given in this issue by the sole distributors, Benjamin Brooks & Co., Kirkheaton, Huddersfield.

Available for Prompt Delivery.—The British Surgical & Drug Co., Ltd., Fortess Grove, London, N.W.5, offer a number of medicinal, toilet and household specialities for prompt delivery, and invite interested retailers to send a stamp for details.

Conditioning Cream.—Coty (England), Ltd., Coty House, 3 Stratford Place, London, W.1, have introduced a new conditioning cream specially intended for dry skins. The cream is claimed to replace the natural oil in the skin while removing accumulated impurities.

British-made Marfanil.—Marfanil is now being manufactured in this country by R. F. Reed, Ltd., Barking, who are also working on some of the less soluble marfanil derivatives. The compound (para-aminomethyl-benzene-sulphonamide-hydrochloride) differs from the sulphanilamides in the presence of a methylene ($-CH_2-$) group between the benzene ring and the amino group. It is not inhibited by pus and is hence excellent in the treatment of infected wounds, and in the prevention and therapy of gas-gangrene. Marfanil is neutral in aqueous solution and is active against strains of bacteria that are resistant to sulphanilamide. It will be available as powder in bottles of several sizes; as a 50 per cent. powder with 50 per cent. sulphanilamide, in several sizes; in 0·5-gm. ampoules; as a cream; and in 7½-gr. tablets.

Envelope Treatment of Burns.—Attention is drawn to the usefulness of Milton antiseptic in the envelope-irrigation treatment of burns and wounds. Reference should be made to an announcement which appears on another page, or to the makers, Milton Antiseptic, Ltd., 10–21 Brewery Road, London, N.7.

Children's Cough Elixir.—Extensive advertising is appearing throughout Great Britain for Ferute children's cough elixir, with rose-hip and blackcurrant syrup base, which is manufactured by Hough, Hoseason & Co., Ltd., Levenshulme, Manchester, 19. Terms for the product, which is on the Chemists' Friends list, are given on another page.

Prices Reduced.—May & Baker, Ltd., Dagenham, announce revised prices for sulphadiazine–M. & B., in containers of 500 0·5-gm. tablets.—Sharp & Dohme, Ltd., Mulford Biological Laboratories, Hoddesdon, Herts, announce reduced prices for Sulfamerazine tablets, 0·5-gm., in bottles of 100, 500, 1,000, 5,000 and 10,000; full details may be obtained from the makers.

Drinking Water from the Sea.—A successful method of producing drinking water from sea water, which saved the lives of many Naval and R.A.F. pilots during the war, was developed by the Admiralty Department of Scientific Research and put into production by the Permutit Co. Ltd., 15 Gunnersbury Avenue, Great West Road, London, W.4. When the war ended an order for 340,000 sets was in course of production. One pack, about the size of a pocket camera, is capable of producing three pints of drinking water. The apparatus consists of a flexible rubberised purifier containing waterproof chemical charge and a Perspex drinking box. Each charge when shaken up after a few minutes with sea water in the purifier and squeezed through a filter cloth, produces half a pint

of water. The pack thus provides a total of four-and-a-half pints pure water, which is several times its own volume in size. To meet the need for compact packing all the chemical reagents were compressed into briquettes, a method having been discovered by which the briquettes could be disrupted into powder under contact with sea water, using activated fuller's earth.

Business Changes

Mr. James Smith, M.P.S., has set up in business at 9 Broad Street, Denny, Stirlingshire.

Mr. William W. Taylor, B.Sc., F.R.I.C., has been appointed public analyst to the Nottinghamshire County Council.

Mr. W. J. Rennie, A.C.A., has been appointed secretary to Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

The Abietsan Manufacturing Co., Ltd., removed, on November 14, to Concordia Works, Carmichael Road, London, S.E.25. Telephone: Addiscombe 2261.

Glass Manufacturers' Federation has secured temporary office accommodation at 36 High Holborn House, High Holborn, London, W.C.1. Telephone: Holborn 6209. Communications requiring personal attention of the director (Mr. G. Marchand) should continue to be addressed to Orleans, Latimer Road, New Barnet, Herts.

Mr. Miles D. Price, B.Sc., A.R.C.Sc., joined the research staff of Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1, on November 1. He is taking charge of the research section dealing with pest-control chemicals and products. A Canadian, Mr. Price has for the past twelve years been engaged in research work on pest-control problems in England and abroad.

Proprietary Articles Trade Association

Additions to Protected List.—*Glaxo Laboratories, Ltd.*, Pheniodol tablets, tube of six, 3s. 9d., 30s. doz.; box of eight tubes, 26s. 8d., 213s. 6d. doz. (exempt from tax). Infant Celin tablets, bottle of 100, 2s. 3d., 18s. doz.; bottle of 1,000, 18s., 144s. doz. (exempt from tax). Myodil (new radiological product), ampoules, box of three 3-c.c., 21s., 168s. doz. (exempt from tax). Anethaine ointment, parcel No. 1, will contain one doz. tubes ointment, invoiced to retail chemists at 28s. doz. (retail selling price, 3s. 6d. tube).

Alterations.—*The British Drug Houses, Ltd.*, reduced prices, December 1, cod-liver oil B.D.H., 4 fl. oz., 1s. 3d., 9s. 9d. doz.; 8 fl. oz., 2s. 4d., 17s. 3d. doz. (exempt from tax).

COMING EVENTS

Saturday, December 1

Yorkshire Branch, Guild of Public Pharmacists, Medical School, Leeds, at 3.30 p.m. Meeting. At 4.45 p.m., Mr. A. W. Lupton, M.Sc., Ph.C., M.C., on "Some Comments on the Evaluation of Drugs." At 6.30 p.m., Celebration dinner.

Tuesday, December 4

North London Pharmaceutical Association and North Metropolitan Branch, Pharmaceutical Society, Wellcome Research Institution, 183–93 Euston Road, London, N.W.1, at 7.30 p.m. Mr. R. H. Thorp, B.Sc., on "Insulin" (illustrated).

Royal Institution, 21 Albemarle Street, London, W.1, at 5.15. p.m. Sir Henry Dale, O.M. (president of the Royal Society), on "Recent Developments in Chemical Therapeutics" (first of three weekly lectures).

Birmingham Branch, Pharmaceutical Society (Scientific Section), Grand Hotel, Birmingham, at 7.45 p.m. Professor A. S. Frazer on "Sex Hormones."

Wednesday, December 5

Bath Branch, National Pharmaceutical Union, 7 Kingston Buildings, Bath, at 7.30 p.m. Annual meeting.

Durham County Branch, Pharmaceutical Society, Lyons Café, 39 Silver Street, Durham, at 7 p.m. Mr. J. F. H. Banner on "Dogs and the Pharmacist."

Birkenhead and Wirral Pharmacists' Association, Central Hotel, Birkenhead, at 7.15 p.m. Mr. D. G. Ardley on "Sulphonamides," followed by film "Chemists at Work."

Newcastle District and Northumberland Branch, Pharmaceutical Society, County Hotel, Neville Street, Newcastle-on-Tyne, at 6.45 p.m. Annual dinner.

Thursday, December 6

National Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Mrs. J. K. Irvine, M.B.E., M.P.S., and Miss M. C. Islip, M.P.S., on "What Your Members Do on the Council."

Friday, December 7

Oxfordshire Pharmaceutical Association, TownHall, Oxford, at 7.30 p.m. Mr. G. C. Williams, O.B.E., on "The Public Health Department—How it Operates."

Sunday, December 9

Manchester Pharmaceutical Association. Ramble to Birch Vale, Disley and Marple. Meet London Road station, 9.20 a.m. Book Birch Vale return.

MARRIAGES

HUGGONSON — RATCLIFFE. — At the St. Thomas's Church, Lancaster, on November 14, Staff-Sergeant John Wilfrid Huggonson, R.A.M.C., M.E.F., M.P.S., to L.A.C.W. Alice Ratcliffe, Ripley Street, Lancaster.

WHYSALL—FRYER.—At St. Paul's Church Beckenham, Kent, on November 15, Richard E. C. Whysall, M.P.S., youngest son of Mr. G. E. Whysall, M.P.S. (Whysall & Son, chemists, High Street, Grantham), to Eleanor Anne Fryer, Beckenham.

DEATHS

ASTON.—At Cambridge, on November 20, Dr. F. W. Aston, Sc.D., F.R.S., F.R.I.C., winner of the Nobel prize for chemistry, 1922.

BAYLEY.—On November 19, after a short illness, Mr. A. S. Bayley, a representative of Heath Bros. & Sons, Ltd., chemists' sundriesmen, Salford, 3, Lancs. Mr. Bayley had been in the employ of the company for twelve years.

DAVIDSON.—At Redhurst, Balerno, Midlothian, on November 19, Mr. George Graham Davidson, Edinburgh. Mr. Davidson qualified as a chemist and druggist in 1897. He was a son of the late Mr. James Noble Davidson, Dundee.

ELKIN.—Recently, Mr. I. Elkin, a director of Elkin & Margo, Ltd., warehousemen, 323 Whitechapel Road, London, E.1. Mr. Elkin's family extend thanks for many expressions of sympathy from suppliers and customers.

HISCOX.—At the University College Hospital, London, on November 18, Mrs. A. E. R. Hiscox, for fifty-three years the wife of Mr. W. R. Hiscox, M.P.S., managing director of T. C. Mansell, Ltd., Cricklewood, Broadway, London, N.W.2.

JONES.—On November 9, Mr. Hugh Hames Jones, M.P.S., 107 Woodfield Road, Cardiff, aged sixty-eight.

MENZIES.—At Manchester on November 8, Mr. William Menzies, for some years with Cooper, McDougall & Robertson, Ltd., Manchester and Berkhamsted.

SHARPE.—On November 14, Mrs. Mabel Jane Sharpe, wife of Mr. Leonard P. Sharpe (Sharpe's Store Chemists, Ltd.), 39 High Street, Thornton Heath, Surrey. The funeral took place on November 20.

SINCLAIR.—On November 2, Mr. Neil Crawford Sinclair, M.P.S., 112 Woolwich High Street, London, S.E.18, aged eighty.

TOCHER.—At the funeral service of the late Dr. J. F. Tocher, which took place in King's College Chapel, Aberdeen, on November 12, the large attendance present included the Principal of Aberdeen University (Sir William Fyfe) and members of the University Court, with representatives of science, pharmacy and agriculture. The funeral oration was given by Mr. G. Duncan, C.B.E., LL.D. The chief mourners were: Dr. J. W. Tocher, M.C., Arbroath (son), Mrs. Dickie, Aberdeen (daughter), Dr. J. R. Tocher, Captain, R.A.M.C., and Dr. J. L. T. Dickie, Flight-Lieutenant, R.A.F. (grandsons), Messrs. G. A. Tocher, M.P.S., London, and John W. Tocher, Edinburgh (brothers), Mrs. Stewart, Mrs. Cotterell and Miss M. B. Tocher (sisters).

WEST.—At 303 Curtis Avenue, Glasgow, S.4, on November 22, Mrs. Agnes Meikle Taylor West, wife of Mr. John T. West, M.P.S., Royal Infirmary, Glasgow.

WILSON.—In a London hospital, on November 23, Mrs. Jean Nairn Wilson, wife of Mr. Arch. Wilson, M.P.S., 13 Hove Park Villas, Hove, 4.

PERSONALITIES

MR. W. HEAP, M.P.S., Glen View Road, Burnley, is contesting Daneshouse ward in a local municipal by-election.

ALDERMAN D. J. BAILEY, J.P., M.P.S., has been appointed vice-chairman of Blackpool Secondary Education Committee.

MR. WILLIAM COLLINSON, managing director of W. Blythe & Co., chemical manufacturers, Church, has completed sixty years with the firm.

MR. D. J. T. BAGNALL, city analyst at Hull, gave a paper on "Food Frauds" before the Hull Chemical and Engineering Society on November 13.

MAJOR J. D. K. HAGUE, Military Cross and bar, son of Sir Harry Hague (managing director, A. Wander, Ltd.), has been called to the Bar as a member of the Inner Temple.

PROFESSOR I. M. HEILBRON has relinquished his appointment as one of the full-time advisers to the Ministry of Production, and has returned to his Chair at the Imperial College of Science and Technology.

MR. ALEXANDER D. CAMPBELL, Ph.C., who served his apprenticeship as a chemist with Mr. Charles Clark, Blairgowrie, Perthshire, has been appointed chief medical supplies officer in the European Regional Office of UNRRA. He was trained at

Dundee Technical College and joined the staff of the medical department of the War Office in 1925. In the autumn of 1944 he became deputy director of medical supplies, Ministry of Supply.

Dr. T. Potjewijd, Winschoten, Holland, secretary of the Fédération Internationale Pharmaceutique, attended the London meetings of the Federation Council on November 20 and 21 (p. 573). He was also a welcome visitor to the offices of The Chemist and Druggist. During the occupation of Holland, when it was feared that the Germans would seize possessions of the Federation, Dr. Potjewijd

eft the University of Leyden, and the rganisation became decentralised. At his ew domicile Dr. Potjewijd was later isited by the Gestapo, but succeeded in efending the Federation, with the result hat only a few documents of small value ere seized. After the liberation of North Iolland in April 1945 he reopened correpondence with the Pharmaceutical Society f Great Britain, and later with the presient of the Federation in Denmark.

WILLS

Mr. George Cooper, M.P.S., 2 Manse oad, Kilsyth, left personal estate in Great ritain valued at £2,617.

Mr. Gibson Quirk Dixon, M.P.S., 3 raven Place, Halifax, Yorks, left £6,541, ith net personalty £4,361.

Mr. Albert Edward Woodruff, M.P.S., kew House, Eastry, Kent, left £1,874, th net personalty £1,043.

Mr. Frank Harold Sedgwick, 9 St. ephen's Road, Hounslow, Middlesex, left ,605, with net personalty £7,235.

Mr. John Byth, retired chemist and uggist, 38 Belvidere Street, Aberdeen, t personal estate in Great Britain valued £9,172.

Mr. Samuel Wilson, Ph.C. (Eire), pghran, Gordon Avenue, Foxrock, co. ublin, left personal estate in England and re valued at £2,434.

Mr. Oliver Quibell, Shalem Lodge, Newark-on-Trent, Notts, late a director of British Glues & Chemicals, Ltd., left £78,768, with net personalty £77,694.

Mr. Daniel Evan Jones, Eryl Daf, Radyr, nr. Cardiff, for many years Professor of Physics at the University College of Wales, Aberystwyth, left £37,249, with net personalty £35,174.

Lieutenant the Hon. Derek John Henry Mond, R.N.V.R., Colworth House, Sharnbrook, Beds, elder son of Lord Melchett, left £15,870 gross, with net personalty £15,469.

Mr. Edmund William Janson, Grosvenor House, Park Lane, London, W., a member of the council of the Tin Producers' Association, left £227,853, with net personalty £212,929.

Mr. George Raybould, M.P.S., 16 The Broadway, Dudley, Worcs, governing director of Raybould, Whitehouse, Ltd., manufacturing chemists, Dudley, left £55,157, with net personalty £43,593.

Mr. William Harold Nuttall, M.P.S., 83 Clarendon Road, Southsea, Hants, manager for Bell's, Ltd., Strand, Southsea, and formerly in business in Manchester, left £808, with net personalty £494.

Lady Alice Elizabeth Salt, Avonhurst, Tiddington, Warwickshire, wife of Sir Edward W. Salt (managing director, Salt & Son, Ltd., surgical appliance makers), left £7,338, with net personalty £7,180.

Miss Katherine Hannah Newton, Holthanger, Portnall Drive, Wentworth, Surrey, formerly of Chapeltown, Sheffield, a director of Newton, Chambers & Co., Ltd., left £197,957, with net personalty £187,189.

Mr. Robert Chrystall, M.P.S., 4 Logie Cottages, Forres, Morayshire, and 12 The Broadway, Woodford Green, Essex, a director of Chrystalls (Woodford Green), Ltd., left personal estate in Great Britain valued at £7,719.

Mr. Lewis Silk, 16 Mapesbury Road, Brondesbury, London, N.W. (Preemo & Silks Toilet Co.), president, 1939, of the Hairdressing Manufacturers' and Wholesalers' Association, left £19,310, with net personalty £11,435.

Sir George Christopher Clayton, C.B.E., Northbank, Craigie, Perth (a director of Imperial Chemical Industries, Ltd., and a former president of the Royal Institute of Chemistry), left £94,702, with net personalty £93,915.

EIRE PUBLIC HEALTH BILL

THE new Eire Public Health Bill, 1945, the text of which has just been issued, contains several provisions of moment to pharmacists and the drug trade generally. Part XI of the Bill provides for restrictions on the importation, manufacture or sale of instruments and appliances and for the control of the advertisement and sale of medical preparations. A portion of the Bill dealing with the sale of foods and substitutes is also of general trade interest.

Instruments, Appliances and Preparations

Under Section 89 of the Bill, the Minister for Local Government and Public Health may by order provide that (*a*) any instrument, appliance or apparatus of a class the use of which by the general public he considers to involve risk of serious injury to health or body, or (*b*) a substance which he is of opinion is likely, when accessible to the general public, to be used for purposes involving risk or serious injury to health or body, or (*c*) a preparation he considers is promoted by fraudulent, untrue or misleading claims of curative, restorative, protective or tonic properties, becomes a restricted article for the purposes of the section. Under subsection (3) of the section, the Minister may grant a permit to a registered medical practitioner to import or manufacture a "restricted article," or to sell or otherwise dispose of such articles. Except for permit holders, it becomes an offence to import, manufacture, or sell a "restricted article," and the penalty is a fine, on summary conviction, not exceeding £100, or a term of imprisonment not exceeding six months, or both, and in every case to forfeiture of the "restricted article." It is understood that this portion of the Bill is especially aimed at the prevention of the importation or manufacture of any apparatus or instruments capable of being used for illegal operations, and of abortifacients of all kinds.

Control of Advertisements and Sales

Section 90 of the Bill provides that the Minister for Local Government may, with the consent of the Minister for Finance, make regulations for the control of the advertisement or sale of medical preparations. For the purposes of this section a medical preparation is defined as "a substance which is sold under a proprietary designation and for use for the prevention or treatment of any human ailment, infirmity, injury or defect." The term "proprietary designation" is defined as meaning "a designation of a substance manufactured, selected or distributed by a particular person which is used in order to distinguish the substance from substances manufactured, selected or distributed by other persons." The word "advertisement," when used in relation to a medical preparation, includes (*a*) the advertisement of the proprietary designation under which the preparation is sold, and (*b*) the statement of the curative, protective, restorative or tonic properties of the preparation on a label, container or wrapper used for the preparation or in a leaflet, circular, pamphlet or brochure issued to the public or on request or given to a purchaser of the preparation. Under subsection (3) of the section, the Minister for Local Government and Public Health may, by regulation provide for all or any of the following matters: (*a*) grant of licences authorising the sale, and (*b*) the advertisement of medicinal preparations and prohibition of the sale (or advertisement) of any medical preparation the sale of which is not authorised by licence under the regulations; and under (*b*) prohibition of the sale of any medical preparation which is advertised although its advertisement is not so authorised; (*c*) determination of the persons to whom licences under the regulations are to be granted; (*d*) the prescribing of conditions governing the grant or retention of licences under the regulations; (*e*) the requiring of applicants for or holders of licences under the regulations to furnish specified information in regard to the constitution, manufacture, transport, sale or advertisement of the medical preparations to which their applications or licences relate; (*f*) the refusal or revocation of licences under the regulations; (*g*) the imposition of charges (whether fixed, variable or partly fixed and partly variable) in respect of the grant or retention of licences under the regulations. Subsection (4) provides that "a person who contravenes a regulation under this section shall be guilty of an offence under this section and shall be liable on conviction thereof to a fine not exceeding five hundred pounds."

Objects of the Bill

The Explanatory Memorandum issued with the Bill stresses that permits under Section 89 "can be granted only to registered medical practitioners." No mention is made of the issue of permits in respect

a "restricted article" to pharmaceutical chemists. On Section 90 the memorandum comments: "Section 90 is intended to provide a degree of control over the advertisement and sale of medical preparations for which curative or restorative properties are claimed as regards the prevention or treatment of human ailments or infirmities. At present preparations which are actually harmful are sold with specious claims."

Food and Drink Controls

Under Part IX of the Bill dealing with food and drink the Minister seeks wide powers of inspection of the premises on which food for human consumption is made. Where he is of opinion that a particular food is of special importance to the public health he can make regulations relating to its standard, content, method of manufacture and distribution. Persons manufacturing, preparing or importing a food in containers may be obliged to submit a sample of their food product for examination. The Minister may issue a certificate setting out the result of such examination, and may direct that the name of the proprietor shall be printed on the outside of every packet or container in which the food is sold for human consumption, together with a copy of the relevant certificate issued to the proprietor. It will be an offence to offer any food product inferior to that of the sample submitted for examination.

The Explanatory Memorandum states that the object of Part IX is to protect the public from food which is actually dangerous or injurious, the prevention of the exploitation of the public by manufacturers of inferior articles of food for which nutritive values are falsely claimed, and also of malnutrition caused by the use of such foods, and a general improvement in the nutritive qualities of the food available. "The advertisement," says the Memorandum, "of worthless products as 'substitutes' and the many cases where inferior goods are sold largely because they bear a name associated in the public mind with substances of a high nutritive value so that the presence on the market of superior products enables vendors of inferior articles to delude the public are examples of practices which may result in undernourishment and susceptibility to disease. Dangers of this kind can only be dealt with by prescribing standards of nutritive value as has already been done in the case of milk by the Sale of Food and Drugs (Milk) Act, 1935."

VITAMIN B_1 POTENCY STANDARD

by H. R. Jensen, M.Sc., F.R.I.C.

A DUAL standard of strength for aneurin (vitamin B_1) appears to be in use in Britain. The accepted (second) international standard is clearly defined in the League of Nations specification M39 (October 1938), as adopted and circulated by the Department of Biological Standards. The standard was established after a prescribed purification (p. 2) and the purity of the product stated in the following terms (pp. 3, 5): "contains approximately one molecule of water of crystallisation" . . . with other identification criteria.

It is also noted that the standard samples of the vitamin issued for test suffered no weight loss *in vacuo* for fourteen days over phosphorus pentoxide (p. 4). This "hydrated" product had thus the potency of 333 international units per mgm.

In conflict with this, the Third Addendum to the British Pharmacopœia is quoted as specifying a potency of 320 i.u. per mgm., based on a potency of 333 i.u. per mgm. for pure "anhydrous" vitamin B_1 hydrochloride. Hence a confusion in the values expressing potency, viz.:—

	I.U.	*B.P. units*
1 mgm. aneurin, 100 per cent. anhydrous	350·8	333
1 mgm. aneurin, 97·4 per cent. anhydrous ($\frac{1}{2}$ H_2O) . .	342·0	324
1 mgm. aneurin, 94·93 per cent. anhydrous	333·0	316

The question was examined by the writer, as a person responsible for large-scale usage, in June 1939, with two manufacturers. Dr. Bergel, in direct consultation with Dr. Macrae, who actually prepared the pure crystalline standard aneurin from the mixed products of four manufacturers (p. 2), informed the writer categorically that the standard vitamin "under the conditions used in the tests" had a hydration of 5 per cent. as specified. Thus in fact the water-free substance was not concerned in the tests used for setting the international potency.

In view of the legal requirements now in force where vitamin-strength declarations are concerned, and the variable methods of analysts in expressing them, it is clearly necessary to use the correct standard. Any other standard is undesirable.

Paper Need Urgent.—The need for a new waste-paper salvage drive is indicated by a recent falling-off in collections.

OFFICIAL ANNOUNCEMENTS

Telephone to South Africa.—Telephone services to South Africa, Southern Rhodesia and Northern Rhodesia are being reopened on December 1. They will be available between 9 a.m. and 5 p.m. daily, except Sundays.

Telephone Service with Denmark.—Telephone service with Denmark was reopened for commercial calls on November 23. The minimum charge for three-minute calls from places in England and Wales is 12s. 6d., with an additional charge of 2s. 6d. from places in Scotland, Northern Ireland and the Isle of Man.

Telephone Service with Luxembourg.—Telephone service with Luxembourg was reopened for commercial calls on November 26. The minimum charge for three-minute calls from all places in England and Wales is 8s., with an additional charge of 2s. 6d. from places in Scotland, Northern Ireland and the Isle of Man.

Channel Islands Purchasing Commissions.—From November 30, the functions of the Jersey and Guernsey Purchasing Committees in London are being transferred to the States authorities in the Islands. Inquiries should be addressed to the Food Control Office, Halkett Place, St. Helier, Jersey (telephone: Jersey Central 910), or the Essential Commodities Committee, Beau Sejour House, St. Peter Port, Guernsey (telephone: Guernsey 1533).

Sugar for Pharmaceutical Purposes.—To meet increased demand for essential medicinal supplies during the winter months, the Minister of Food has authorised a temporary increase in allocations of sugar for the preparation or manufacture of medicines in accordance with formulas of the British Pharmacopœia, British Pharmaceutical Codex, and National War Formulary, during the period of eight weeks ending on January 5, 1946. The amount of the increase is 5 per cent. of the amount of sugar employed for this purpose during the twelve months ended June 30, 1939.

Origin Certificates Not Now Needed.—Under an Order just issued by the Board of Trade it is no longer necessary for importers to produce Certificates of Origin and Interest in respect of goods imported from Liberia, Liechenstein, Portugal, Spain, Sweden and Switzerland. Since 1939 all goods imported into the United Kingdom from certain neutral counties have had to be accompanied by certificates, signed by a British Consular Officer, to the effect that no enemy had any interest in such goods, and that not more than 5 per cent. of their cost was due to enemy labour or raw material. The object of the provision was to prevent any substantial benefit from accruing to the enemy via neutral countries. This is no longer considered necessary. Copies may be obtained from H.M. Stationery Office.

Solvents for Toilet Preparations.—The Board of Trade has published an Order—the Toilet Preparations (No. 6) Order, 1945 (S. R. & O., 1945, No. 1483) revoking from December 1 a previous prohibition on the use of certain solvents. Under the Toilet Preparations (No. 3) Order, 1943, as amended, the manufacture and supply, both by manufacturers and distributors, were prohibited of controlled toilet preparations containing more than one part in two hundred of acetone, amyl alcohol, amyl acetate, butyl alcohol, butyl acetate, and ethyl acetate. The main classes of toilet preparations affected by the prohibition were nail-varnish and nail-varnish remover. Revocation of the Order means that controlled toilet preparations of any description containing any amount of the substances specified above may now be made and supplied by any manufacturer who is licensed or otherwise authorised to manufacture and supply controlled toilet preparations of that description; and that retailers and other distributors may, so far as the regulations made under the current Toilet Preparations Order are concerned, supply controlled toilet preparations, not of their own manufacture, containing any amount of these substances, provided that the preparations conform in all other respects (e.g. marking) with the provisions of the Order. Provisions relating to export of controlled goods are amended by excluding from their scope supplies to the Channel Islands. Persons registered under Part II of the register may not supply the Channel Islands except under licence from the Board of Trade, while all controlled goods supplied to the Channel Islands must be duly marked in accordance with the provisions of Article 7 of the main Order.

It should be noted that the substances involved in the relaxations are still in short supply and, if required in quantities of more than 60 gall. in six months, must be obtained by licence under the Control of Molasses and Industrial Alcohol (No. 18) Order, 1945.

CARRAGEEN AS FOOD: A WAR-TIME STORY

by Basil C. de Guerin

THE edible seaweed *Chondrus crispus* has long been known, and was at one time, under the name "Irish moss," the staple diet of many peasant-fishermen on the west coast of Ireland, as well as in the Hebrides and other remote parts of the coast. No doubt it was also well known to past generations of Channel Islanders, but only during the German occupation of those islands did its nutritive value, as judged by modern standards, become recognised. Then its popularity grew in proportion to the decrease of other supplies of food.

Sold by Varied Traders

The fern-like seaweed with ts delicate fronds grows in profusion on the rocks of all the islands in the Channel, and early in the five years during which the inhabitants were progressively reduced to the point of starvation by the invaders, it was gathered and sold in shops of all classes of trade in its primitive state, under the name of carrageen. Its use in the crude state acted against its initial success, and soon retailers were compelled to undertake the washing and drying. This was no small item, as the alga requires many immersions in water thoroughly to cleanse the lace-like fronds of the last vestige of adhering salt.

The first improvement in the preparation of carrageen was its production in granulated form. Experiments were made by local chemists, notably by Messrs. N. Carre, Bordage Street, and C. E. Stonelake, Smith Street, Guernsey, and eventually a fine, powdered product was produced which was soluble and easy to handle, yet at the same time surrendered none of its natural constituents. So long as the flavourings were available on the island, the material was flavoured with orange, raspberry, ginger, pear, lemon, nutmeg or other spices available, and coloured green, orange and red. Popular demand for the variations was great, and their preparation, packing, labelling and sale necessitated the employment of a large number of people who might otherwise have been compelled to enter the service of the enemy in order to eke out an existence.

Guernsey carrageen in first stage of preparation, after having been washed and dried; it was subsequently powdered, flavoured and coloured for sale.

Photo: C. H. Toms, A.R.P.S., Guernsey.

Collection Under Guard

Not the least of the band of workers engaged in the new industry were the gatherers of the carrageen on the sea-shore. In the early stages a sufficient quantity was available on the rocks and beaches but, as time went on, public gathering of the crop denuded the easily accessible places, while the Germans closed all approaches to the sea-shore, which was placed out of bounds except to persons given written permission. Thus it became necessary to employ regular gatherers who, on permit, were allowed to take out boats to the rocks which became exposed at low tide. The labour of stripping the close-growing alga by hand, whilst perched precariously in a small punt, was not rendered any lighter by the facts that mines were laid on the beaches and among the rocks, and that the gatherers were constantly under cover of a German guard on the foreshore, ever ready with rifle or machine-gun to put a stop to any attempt to make a "get-away."

Whole families sometimes engaged in the work, many of them with a wide knowledge of the various forms of seaweed available, gained when employed on similar work by the iodine factory which at one time functioned on Guernsey. Not least among the unsung heroes of the war were those who thus risked their lives that others might live. The Germans themselves soon learned to appreciate the virtues of carrageen, and many a guard took his "perquisite" from the sacks of returning gatherers, who dared not refuse lest their permit should be cancelled.

"Export" Ventures

Samples of carrageen at all stages of preparation were voluntarily submitted to the local analyst, and the reports received

were satisfactory. It was noted that no loss of nutritive value was incurred during the process of manufacture of the granulated article. Quantities of the prepared carrageen were exported to the other Channel Islands (Jersey, Sark, and even Alderney, although the last was inhabited principally by Germans.) As rations for both troops and civilians decreased, however, it became inadvisable to trust consignments to the care of the hungry Germans who controlled the only boats between the islands. Then, with D-day and the Allied blockade of the Channel, the supply of colourings and flavours that had previously been imported from France was cut off. Gradually carrageen returned to its natural colour and lost its added flavours. Although, since the liberation of the islands, it has continued to sell, today other prepared foodstuffs are more easily available, and the public is apt to turn aside from the native product that enabled it to exist when all else failed.

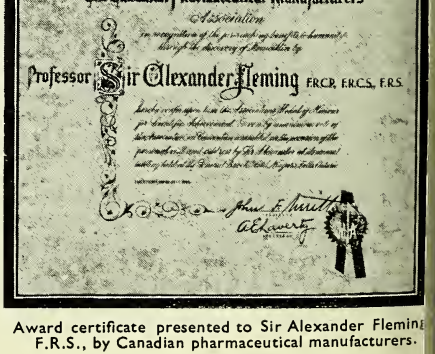
SCOTT, *PHARMACIEN*

by a Paris Correspondent

ARTHUR William Birnie Scott, about whose shop in Paris there appeared a note in these columns some ten years ago, died on January 14, 1945, in the camp of Weimar-Buchenwald, Germany, where he had been interned as a foreign deportee. Born at Normandy Burton, Winterton, Lincolnshire, on February 11, 1871, he studied in England, but removed to France at the age of nineteen. After studying pharmacy in Biarritz, Cannes and finally Paris, he opened a tiny shop, "like a cupboard," as he used to say, in the Rue St. Florentin, Paris. Thanks to hard work, he made his way and opened a pharmacy of more normal size first in the Rue du Mont-Thabor, and later in the Rue St. Honoré, where his business grew rapidly. Scott was well known by all the foreign manufacturers with connexions in France, and many of them employed him as their agent.

In 1940, when the Germans invaded France, Scott took refuge in Nice. There he was permitted to continue his business. Nevertheless, as a British subject, he was arrested on June 8, 1944, the day after the Anglo-American landing in Normandy, and interned in a camp for political prisoners at Noé, near Toulouse. At the end of July, the German S.S. arrived and deported to Germany 1,500 prisoners, Scott included. After a journey of several days in great discomfort, in sealed wagons each carrying about 100 persons, he arrived in Buchenwald, where, like the others, he was expected to subsist on a plate of soup and 7 oz. of bread daily. Despite advanced age—he was seventy-four — Scott was extremely courageous to the end, but was in reality badly shaken in health, and in December 1944 weighed only 6 st. 4 lb., following a tenacious attack of dysentery. Later a louse was found upon him and he had to be "disinfected." That is, he had to soak in a great tub of disinfectant, and then wait naked for several hours while his clothing was disinfected As a result, his strength diminished daily and he had to be helped to get up to answer the roll call, for those who failed to answer the roll were deprived of food and finished off in the crematorium. On January 13, 1945, suffering from œdema of the legs and face, he was taken to the infirmary, where he died next day. The Vichy Government had named an administrator to direct his business and his belongings were sequestrated by the Germans. Today, however, his sons are working to obtain the return, in accordance with the law, of his property. Scott's name will remain for ever high in the annals of French and English pharmacy.

These notes were supplied by his son, Frank Birnie-Scott, doctor of medicine and first-class *pharmacien*, who is in business at 94 Rue Pierre Demours, Paris.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HELP FOR PHARMACISTS DURING EPIDEMICS

THE following information has been circulated by the Central Pharmaceutical War Committee to the secretaries of all district pharmaceutical war committees:—

District pharmaceutical war committees will not need to be reminded of the exceptional burden which falls on pharmacists in many areas as the result of influenza or similar epidemics. Discussions have taken place centrally as to how a measure of assistance can be provided, and it has been decided that during any future epidemic the services of pharmacists (both men and women) serving with the R.A.M.C. may, within the limits of their essential military duties, be made available to assist civilian practitioners. The number of pharmacists who will be available for the country as a whole will depend on the situation regarding army personnel at the time of the emergency, but it will be appreciated that only in very exceptional cases will assistance be forthcoming. Before making application for assistance, therefore, district committees will no doubt consider whether pooling or alternative arrangements can be effected to cover the essential pharmaceutical work of the area.

First Steps

If and when the Ministry of Health indicates that a period of epidemic exists, and not before, the first step to be taken in introduction of the necessary local arrangements will be a joint meeting, in every district pharmaceutical war committee area, of the secretary of the committee, the medical officer of health, and the appropriate Assistant Director of Medical Services of the district or area concerned. The medical officer of health, who will usually be the county or county borough medical officer, but may be the district medical officer, will take the initiative in calling the three parties together to discuss appropriate local arrangements. There is, however, no reason why, if a district committee secretary feels a meeting to be necessary, he should not take the initiative and invite the medical officer of health to call a meeting. Normally the arrangements will be that pharmacists needing assistance will indicate the nature and extent of their needs (including information as to where services are required, whether male or female pharmacists can be accepted, and whether assistance required is full-time or part-time) to the secretary of the district pharmaceutical war committee, or to some other person appointed by the chairman of the committee for the purpose of dealing with the matter.

M.O.H. Approval

If the secretary or person appointed to act is satisfied with the pharmacist's claim, he will pass it to the medical officer of health. The War Office scheme lays down that the medical officer of health should approve the requests for pharmacists, and therefore does not anticipate that application should be made direct to the Assistant Director of Medical Services of the district or area concerned. What is needed is a simple local working arrangement for transmitting the local needs through the medical officer of health to the nearest Assistant Director of Medical Services of the district or area concerned who, within the limits referred to above, will endeavour to supply the personnel required.

The financial arrangements agreed centrally are as follows: Free board and lodging will be provided by the civilian employer. The military authorities will continue to be responsible for issuing pay and allowances in the normal way and will recover from the civilian employer at the following rates:—

Per week	87s. 6d.
Daily charge for periods of less than a week ..	12s. 6d.
Charge for half-day or less	6s. 3d.

Thiophene in Organic Syntheses.—An inexpensive method has been developed by Socony-Vacuum Oil Co., New York City ("Chemical and Metallurgical Engineering," March 1945), by which thiophene is prepared from petroleum. Many applications of the material are claimed by the company, especially in the plastics, pharmaceuticals and dyestuffs industries. Chemically, thiophene has a structure consisting of a five-membered ring containing four carbon and one sulphur atoms. As the ring consists of two double bonds between two of the pairs of carbon atoms, it lends itself to the preparation of many chemical commodities resembling those derived from benzene. It thus presents opportunities for altering characteristics such as the colour of dyestuffs, physiological effects of medicinals, and hardness, elasticity and brittleness of plastics. The company is constructing a plant for quantity production.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

VOL. CXLIV DECEMBER 1, 1945 NO. 3434

If and When

THE machinery devised for relieving congestion in civilian pharmacies in the event of an epidemic, made known in a "guidance note" issued by the Central Pharmaceutical War Committee (see p. 589), is even more cumbersome and slow-moving than had been supposed when we made our comments at the first intimation that any such arrangements were to be made. It is sufficient to quote from the "guidance note" to arouse speculation whether the proposed steps to be taken were not devised by a medical Blimp surviving from the Crimean war rather than by a committee supposed to be *au fait* with the current pharmaceutical needs of the community. One paragraph reads:—

> If and when the Ministry of Health indicates that a period of epidemic exists, and not before, the first step in the introduction of the necessary local arrangements will be a joint meeting, in every district pharmaceutical war committee area, of the secretary of the committee, the medical officer of health and the appropriate Assistant Director of Medical Services of the district or area concerned. The medical officer of health, who will usually be the county or county borough medical officer, but may be the assistant medical officer, will take the initiative in calling the three parties together to discuss appropriate local arrangements. . . . Normally the arrangements will be that pharmacists needing assistance will indicate the nature and extent of their needs . . . to the secretary of the district pharmaceutical war committee or to some other person appointed by the chairman of the committee for the purpose. If the secretary, or person appointed to act, is satisfied with the pharmacist's claim, he will pass it to the medical officer of health. The War Office scheme lays down that the medical officer of health should approve the requests for pharmacists, and therefore does not anticipate that application should be made direct to the Assistant Director of Medical Services of the district or area concerned.

To say that the War Office scheme does not anticipate that application should be made at all may prove to be an exaggeration, but it is a reasonable accusation that every hindrance is being introduced to the speedy operation of assistance that would really benefit the community in an emergency, and our suggestion is that the plan should be scrapped and action taken on another statement in the report: "What is needed is a simple local working arrangement."

Industrial Research Survey

AN Industrial Research Committee and Secretariat, set up recently by the Federation of British Industries, has speedily shown evidence of activity. Two questionnaires have been sent out to establish the facts of Britain's industrial research; the first to all manufacturing concerns in the country that are carrying out research and development, and the second to firms and organisations which offer facilities to industry of an analytical, testing, consultant, research or development nature. It is the view of the Committee that the research effort of Britain's industries has been greatly underestimated, and this matter they hope to rectify.

Contents of Questionnaires

The first questionnaire seeks detailed information on the staffing and scope of the research departments of industrial concerns. Among other items, it hopes to find out whether a firm's laboratories cater also for other British companies, what liaison exists between industrial concerns and the universities and technical colleges, whether there is any desire on the part of research departments to be put in touch with similar departments working on related problems, or to exchange scientific and technical information with other bodies or

concerns at home or abroad. Information is sought upon any plans for development or expansion of research activities which have been adopted for putting into operation during the next two years.

The second questionnaire aims to elicit information on the nature of research services offered, the field covered, equipment possessed, and the nature of any specialist work undertaken. When the material has been received and sifted, it is intended to publish a detailed reference book, both for use in this country and for overseas publicity for British exports. Provision is made by which information can be confidentially disclosed to the secretariat without its being given publicity otherwise than in the broad results of the survey.

Aesthetic Sales Curves

In a challenging letter printed in "The Times," recently, Mr. Raymond Loewy, a United States designer with an international reputation, gave at some length his views on design in British industry. Claiming that the conception of æsthetics accepted by the numerous corporations numbered amongst his clients was that of "a beautiful sales curve shooting upwards," he accused British designers, as a whole, of being too much preoccupied with abstractions. Upon the justice or otherwise of the accusation we are not able to pronounce, but a vigorous reply by Mr. C. S. Leslie (Director of the Council of Industrial Design) provided a welcome defence, especially as he added a plea that British designers should aim at developing the special British characteristics of comfort and charm rather than the severity which appears to have found favour recently in some quarters. So far as the cosmetic industry is concerned, charm has long been the keynote of the leading British creations, whose makers have no cause to be dissatisfied with the curves —sales or otherwise—of their productions. All they need is full opportunity to multiply their output.

However, it may reasonably be suggested that, in present conditions, industrial design in Britain is at a critical point. At an early stage in the war, when the manufacture of consumer goods had to b drastically curtailed and processes to b simplified, the Government undoubtedl followed an enlightened policy in enlistin the services of leading designers to decid the outlines of utility furniture, clothing etc. The results were an instant justifica tion of the policy, and the prestige o designers was proportionately enhanced War-time conditions of manufacture, how ever, have caused the word "utility" to b associated in many people's minds wit poor quality and finish and "skimpy material rather than with harmoniou proportions and pleasing shapes. Ther may therefore be a danger that, by way c reaction, the public, so soon as supplie are plentiful, will express a preference fc goods of substance and quality to th exclusion of all considerations of desig For the "back room boys" of the desig departments to talk in such circumstanc of nothing but æsthetics would obviousl be inappropriate and might well condem them to being permanently ignored.

Let the designers concentrate, as M Loewy suggests—and he does it in th belief that Americans should continue co-operate as closely with Britain peace-time as in war, and not as a bette placed competitor who can afford to thro out a few hints—on increased sales appe and increased trade, and the result, as l says, will be no less beautiful. The questi is one of putting first things first.

Cyanosis Due to Nitrates

Cases of cyanosis due to methæm globinæmia have been reported in t "Journal of the American Medical Associ tion" (September 8, p. 116). The cas occurred in infants who received boil water from farmyard wells with defecti casings. The water contained large amour of nitrates which, when ingested, under conversion into nitrites by bacterial actio the nitrite ion is absorbed and oxidises t hæmoglobin to methæmoglobin. The con tion may occur in any degree of severity a may possibly lead to a fatal outcom Intravenous administration of methyle blue (one to two mgm. for each kilo body weight) gives prompt relief.

THE NATION'S HEALTH

A CHEERFUL picture of the present state of the nation's health was drawn by Sir Wilson Jameson (chief medical officer to the Ministry of Health) at a recent Press conference. The aftermath of six years of war, and the unhappy conditions on the Continent, constituted a risk to health, he said, but situations of greater gravity had arisen during the war, and there was no reason to be pessimistic about the present winter. Naturally, war-weariness was being felt to a greater degree now than a year previously, but there was no evidence of any weakening of the physical health of the country. So far, influenza had been less prevalent than was usual in the early weeks of winter, but all precautions against a possible epidemic had been taken.

Decline in Infant Mortality

Statistical information given included figures for infant mortality, and these were perhaps the most significant. The infant mortality rate showed a continued decline and, in the September quarter of the present year, reached the record low figure for the country of thirty-seven per 1,000 live births, against forty-five per 1,000 ten years ago. The fall was thought to be largely due to educational work. The birth rate during the September quarter declined to 68,000—15,000 fewer than in the corresponding quarter of 1944. Still-births were twenty-seven per 1,000, against a minimum pre-war rate of thirty-six per 1,000. Deaths totalled 98,000—9,000 fewer than during the September quarter of 1944.

During four recent weeks, deaths due to influenza in London and the great towns of England and Wales numbered fifty-five, against eighty-five in the corresponding weeks of 1944. Sir Wilson Jameson explained that it was now possible, by means of blood specimens collected from all over the country, to detect early signs of an influenza outbreak. The stage had not yet been reached at which influenza vaccines could be recommended for general use. Considerable stocks were available, however, for large-scale trial should influenza appear.

Minor Illnesses

There appeared to be a considerable amount of minor sickness among the population at present, but the increase, except in psycho-neurotic illnesses, which had become more prevalent since the end of the European war, was not significant. There was no satisfactory means of collecting information on this aspect of the health situation. Control would continue to be exercised at points of entry into the country over what the chief medical officer termed "imported" illness, especially in persons arriving by air from abroad. It was common sense to make arrangements in advance against possible epidemics, and local authorities had been advised to take all steps to combat the danger, including provision of additional doctors, nurses and pharmacists (see p. 589). The campaign against coughs and sneezes would be continued this year, but Sir Wilson regretted that the public appeared not to be co-operating as they should to avoid the spread of infection. Prevention of infection by that method was a long-term policy.

GERMAN CHEMICAL WORKS

A SECOND list of reports on German chemical factories (see also *C. & D.*, October 27, p. 428) has been released by the Ministry of Supply. As with the previous reports, appointments may be made to examine the reports on application to the Association of British Chemical Manufacturers (Mrs. Consitt), 166 Piccadilly, London, W.1. Only one copy is available, and copies cannot therefore be sent through the post. The possibility of reproduction by H.M. Stationery Office is still uncertain, but an announcement by the Board of Trade is expected shortly. The following extracts are reproduced by permission of the Controller of H.M. Stationery Office. The reports are issued with a warning that their subject-matter may be protected by British patents or patent applications, and that publication does not give protection against action for infringement.

Secret files of I.G. Farbenindustrie and other German commercial undertakings now in Allied hands yield information on the financial methods by which German interests sought to influence or control industrial development outside Germany. International activities of I.G. Farbenindustrie ranged from direct use of pay-rolls of subsidiary companies for financing German agents engaged in espionage to secret control of industrial undertakings abroad having nominally no connexion with I.G. Farbenindustrie.

Details of Reports Available (Second Series)

Report No.	Title	Contents
XXII—19	I.G. Farbenindustrie A.G., Leuna, Germany	Luran, triethanolamine; glycerin substitute; phosgene; oxidation of hydrocarbons; soap substitute; aldehydes; fatty acids; synthesis of benzene; alanine; aliphatic amines; adipic acid; resin. Research programme—organic.
XXII—20	I.G. Farbenindustrie A.G., Buna Werke, Schkopau, Germany	Formaldehyde; acetylene; ethylene; styrene; polystyrene; acetone and acetaldehyde; acetic acid; aldol; Nekal BX; butadiene; Buna; chlorine and caustic; glycol; hydrochloric acid; vinyl chloride and polyvinyl chloride; lubricating oil; tetrachloroethane; trichloroethylene; dichloroethylene; other chloro-compounds; aluminium chloride; butinediol and tetrahydrofurane; naphthalene derivatives.
XXII—21	Synthetic rubber plant, Chemische Werke, Hüls	Production and purification of acetylene, acetaldehyde; aldol; butylene; butadiene; ethylbenzene; styrene. Production and distillation of benzene. Production of Buna polymers.
XXII—22	Synthetic rubber plant, Buna Werke–Schkopau A.G.	Manufacture of ethyl benzene; styrene; butadiene. Production of Buna polymers. Proposed manufacture of Koresin.
XXIII—20	Manufacture of insecticides, insect repellents, rodenticides I.G. Farbenindustrie A.G., Leverkusen and Elbefeld.	Lauseto old; other DDT types. Lauseto new; Bladan; Lucex; mosquito repellent; rodenticides; Eulan (moth repellent).
XXIV—11	Manufacture of *Torula* food yeast Zellstoffabrik, Haldhof	Details of operation; suggested sources of information.
XXV—48	Henkel & Cie A.G., Dusseldorf	Washing powders and similar products; glues from vegetable bases; sodium silicate; glycerin; sodium perborate.
XXVI—2	Synthetic emulsifying agents, wetting agents, detergents and soap substitutes I.G. Farbenindustrie A.G., Höchst-am-Main	Detergents of alkyl-aryl-sulphonate type; emulsifying agents and detergents for Fischer-Tropsch oils; emulsifiers from Mersol. New developments.
XXVI—63	Rohn & Haas, Darmstadt	Pharmaceuticals; washing compositions; plastics.
XXVII—4	Insecticides and fungicides, I.G. Farbenindustrie Plant, Höchst	Gix: use against ox warble; Nirosan; Dizan; Raupenleim (caterpillar glue); Brassicol and Tritisan-5; Bulbosan; Brassisan.
XXVII—48	Chemische Werke Albert and other pharmaceutical targets, Wiesbaden (including Pharma, G.m.b.H., Mainz, and Dr. Fhilo & Co., Mainz)	Recresal (mixture of sodium phosphates); Lubrokal (K Br luminal); Neo-Lubrokal (K Br luminal (tetrahydro-p-oxazino) methyl phenyl ketone); Xylidrin preparations (a mixture of synthetic B, B-diphenyl-b-hydroxyethylamines); Hämo-xylidrin (same as Xylidrin); Turgasept (one of the synthetic B, B-diphenyl-B-hydroxyethylamines); Eukliman (mixture of herb extracts with nitroglycerin); Carbarom (medical charcoal with aluminium hydrosilicates). Albertstine (an antiphlogistic agent); Cholagutt (mixture of herb extracts); Vutox (aqueous solution of Xylidrin); Lubrokal cure; Xylidrin.
XXVII—85	Miscellaneous chemicals, I.G. Farbenindustrie A.G., Ludwigshafen and Oppau	Chlorine; aluminium chloride; sodium hydrosulphite; calcium carbide and acetylene generation; hydrochloric acid; ethylene, ethylene oxide and glycols, etc.
XXVIII—19	Food Chemistry Institute, Frankfurt-am-Main	Vitamin studies; antioxidants; miscellaneous on arsenic, alkaloids; sulphur compounds in vegetables; researches on food.

CONDITIONS FOR STERILISING DRESSINGS

An address on "Sterilisation of Surgical Dressings" was given to the North Metropolitan Branch of the Pharmaceutical Society recently by Mr. R. Maxwell Savage, M.A., F.R.I.C.

Problems Involved

Although it was more than ninety years since Pasteur laid down the principles of sterilisation, said Mr. Savage, and although efficient methods of sterilising surgical dressings had been known for about fifty years, a report issued in 1941 by the Royal College of Obstetricians and Gynæcologists had raised doubts whether the known requirements were always being carried out. The subject was interwoven with one simple chemical fact: that in sterilising dressings there was a shortage of water, a difficulty that did not arise in the sterilisation of the usual injection solutions. The speaker explained in detail the B.P.C. monograph, Appendix XII, which he thought provided a good general guide on the sterilisation of dressings. There had been little improvement in the basic design of apparatus for many years; attention had been paid to exterior finish without considering the principles of operation. For practical reasons, dressings must be presented as dry as possible. By first admitting steam to the jacket of an autoclave, excessive condensation of steam in the chamber was prevented, a cycle of operations which the speaker illustrated with lantern slides. It was essential, he said, to understand the physical differences between superheated and saturated steam. Superheated steam was steam which had had heat added to it in the absence of liquid water, and might therefore not be at over 100°. It did not condense on a cold surface, but warmed the surface in the way hot air would do. It was consequently a poor heating agent, until it had cooled sufficiently to lose the extra heat it contained, revert to the saturated condition, and condense. Saturated steam was steam in equilibrium in the presence of water. Bacteriologically, superheated steam was less efficient as a sterilising agent than saturated steam at the same temperature. Care should therefore be taken that sterilisation took place in an atmosphere as free from air as possible, and that containers were made and placed so that air could drain out of them. As most forms of apparatus used pressure as a guide to conditions, the pressure shown by the gauge when the autoclave contained a mixture of air and steam was not the pressure of the steam but that of the mixture. The steam was at a lower pressure and consequently temperature, and might well be not hot enough for the job. He suggested two remedies which would overcome the defects that recent surveys had shown in the sterilisation of dressings. First, responsibility for sterilisation should rest on the manufacturers. The supply of unsterile dressings, while still legal, would, he thought, become analogous to that which had taken place in the supply of surgical catgut. When the sale of the latter material was placed under the Therapeutic Substances Act, unsuitable methods became eliminated. If surgical dressings were similarly controlled, a more satisfactory state of affairs would result. The person in a hospital most fitted by training and outlook to control sterilisation was the pharmacist.

Questions on Storage

Questions were asked by Mr. T. C. N. Booth, who felt concern over the sterility of dressings stored for long periods, often in exposed and dusty conditions. With modern facilities and wrapping materials, he thought, more might be done to improve packing of dressings. Mr. Harries asked if sterile brushes could be accepted as such. Mr. Michaels spoke of the difficulty experienced in obtaining a standard resistant earth spore, though he had used a cultured spore of *B. subtilis* that had given promise of constant results. He had also attempted the sterilisation of whole gauze bandages. Mr. Woodley asked the purpose of the rubber lining for first field dressings. Mr. Footitt said that, in the preparation of tulle dressings, he used the hot-air method, though he thought it was common for paraffined bandages to be sterilised by the nursing staff by the methods proposed by the Ministry. In reply, Mr. Savage said that paper wrapping was efficient if kept dry; the problem was mainly economic. Brushes were sterilised by formaldehyde, which was efficient. Rubber linings were for external protection only. Tulle dressings could be sterilised satisfactorily in the oven, and frothing could be prevented by first drying the dressing. Of the methods recommended by the Ministry autoclaving was, strange to say, efficient in the presence of the 6 per cent. natural water content of dressings and balsam of Peru. For paraffined bandages the latter method was unreliable.

PHARMACEUTICAL SOCIETY OF IRELAND

(*Concluded from* THE CHEMIST AND DRUGGIST, *November* 24, *p.* 553)

A RESOLUTION proposed by MR. DALY that the title of the Society's Dublin premises should be the College of Pharmacy was seconded by MR. FULLAM. MR. DALY said that if the establishment which pharmacy students attended were a College, this would have a great effect on students and would call forth more respect from the man in the street. MR. COSTELLOE, while sympathetic with Mr. Daly's views, felt that, until they had larger premises, any change in title should be deferred.

College of Pharmacy or Chemistry?

MR. DALY agreed that the existing premises were not all that members would like, but thought they could still change the name. MR. BRADY, expressing appreciation of Mr. Daly's efforts, thought the title "College of Pharmacy" was not comprehensive enough; it was also a College of Chemistry. He would like to bring in the ethical side of chemistry.

MR. DALY: Would that not also apply to botany and materia medica?—MR. SCOTT: Call it the Irish Pharmaceutical College.—MR. DALY: The principle I want accepted is that it is a College.

THE PRESIDENT pointed out that there were administrative difficulties. The existing premises, apart from housing the school, were also the statutory headquarters of the Society. MR. GLEESON asked if it would meet the situation if they altered the motion to read "that the schools at 67 Lower Mount Street be called the College of Pharmacy."

MR. CAHILL was wholeheartedly in favour of the motion, but felt the existing premises did not deserve the title of a College.

MR. FULLAM explained that he had seconded the motion to get the matter aired, but agreed with Messrs. Cahill and Costelloe that the present premises somehow were not fitted to be called a College, and he urged Mr. Daly to hold over the motion. MR. DALY said he would like the change made.

MR. MEAGHER was inclined to agree. The word College was not confined to premises alone, but should more properly be applied to the spirit with which it inspired its students. To adopt Mr. Daly's motion might inspire them to look for premises worthy of a College of Pharmacy, and in which the students, in addition to educational facilities, would have a debating society, rooms for social intercourse, and recreational amenities.

MR. CREMEN suggested adjourning the matter for a month, and MR. CAHILL proposed an amendment to the effect that, when they were seeking new premises, the Council should take steps to establish a College of Pharmacy. MR. O'NEILL, seconding, said it was not a question of a name.

MR. BRADY moved a further amendment that the matter should be adjourned to the next meeting; this MR. GLEESON seconded, and after further discussion, Mr. Daly agreed, and the amendments were not proceeded with.

Mr. T. J. Burke, B.A., M.P.S.I., was elected an examiner for the Registered Druggist examination for the year ending November 1, 1946. Dr. John Keane, Ph.D., M.Sc., was re-elected an examiner in chemistry, and Messrs. T. J. Burke and M. J. Mulreany, M.P.S.I., were re-elected examiners in pharmacy (Licence examination).

Question Time

When question time was reached, MR DALY asked if any decision had been made as to the places at which the Pre-Registration examination, 1946, would be held. In the event of there being a large number of entrants from Cork, he had representations to make on the matter, and had already written on the subject. THE PRESIDENT said no decision had been reached, and until they saw the number of entrants it would not be possible to arrive at a decision.

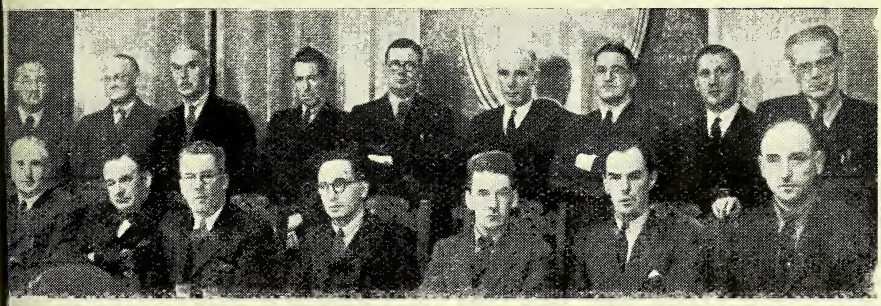
THE PRESIDENT mentioned that the vice-president, treasurer and himself had, at the opening of the pharmaceutical year, made a formal call on the Minister for Justice who had received them very graciously.

MR. CREMEN drew attention to report in the Press that the College of Surgeons and Department of Local Government had recently been in consultation on limiting the numbers who could enter medicine.

At a meeting of the Benevolent Fund Committee, a number of grants were passed for payment. THE REGISTRAR reported that thirteen members of the Society, when forwarding their annual subscriptions recently, had included a special contribution for the Benevolent Fund. The Committee were grateful for this thoughtful act, and had passed a motion of thanks to the members concerned.

IRISH PHARMACEUTICALS, LTD.

ONTINUED progress of Irish Pharmaeuticals, Ltd., and its subsidiaries Dawn, td., and the Island Bawn Laboratories, td., was reported at the thirteenth annual eeting held in Dublin recently, when r. Samuel McCauley (managing director) resided, and other directors present were r. P. C. Cahill, M.C.P.S.I., Dr. T. P. gnier, and Dr. P. J. Cassin. Moving option of the report and statement of counts, MR. MCCAULEY said the figures lled for no detailed analysis beyond a ference to the acquisition of the leasehold erest in premises at 1A Basin Lane, blin. Net profit showed a decrease of roximately £2,000 but there had been increase of £2,500 in advertising expenure on the company's proprietaries. The rectors had agreed early in the financial ar that, in view of the general expansion business, advertising expenditure on ablished proprietaries for which raw terials were in sufficient supply should increased up to 50 per cent., with a view consolidating their market position. e profits of Dawn, Ltd., were added to se of I.P.L. for tax purposes, and the ectors of Dawn, Ltd., had decided to nge the company's financial year to respond with that of the other comies. Accordingly the balance sheets and ounts for that company covered the iod December 31, 1943, to June 30, 5. Net profit for the period amounted £3,040, against £2,734 for the year ed December 31, 1943. Advertising enditure amounted to £7,654, against 73. Net profit for Island Bawn Laboraes, Ltd., amounted to £1,522, against 74. The directors had anticipated that, following the termination of the war, there would be a substantial decrease in purchasing. Contrary to expectations, there had been a substantial increase in turnover (about 30 per cent.) from June 30. Turnover in Christmas goods had increased by 50 per cent. It seemed safe to prophesy an even better report next year.



OUP AT DINNER OF IRISH PHARMACEUTICALS, LTD.—*Seated:* Drs. P. J. Cassin and T. P. Magnier, Messrs. lip A. Brady (vice-president, Pharmaceutical Society of Ireland), Samuel McCauley (managing director), Gerald C. Neill (vice-president, Irish Drug Association), Patrick C. Cahill and M. Mahoney, Kilkenny. Those standing include ssrs. J. J. Roche, A. R. French, T. C. Scott, Hugh P. Corrigan, P. F. McGrath, Tadgh O'Neill and Dr. J. F. Owens.

MR. P. C. CAHILL, seconding the adoption of the report, felt they had had a good year. The additional expenditure in advertising would enhance the value of their products.

MR. A. R. FRENCH, New Ross, said the company deserved every thanks for the liberal supplies they had made available to chemists during the emergency. MR. J. J. ROCHE, Dublin, congratulated the directors on putting the profits into advertising.

MR. P. A. BRADY (vice-president, Pharmaceutical Society of Ireland) thought that, now that the company had acquired the leasehold interest in the premises at Basin Lane, the "1A" might be dropped.

MR. J. GLEESON, Terenure, complimented the directors on a fine show of Christmas lines. He hoped chemists would remember, when competitive items appeared again, what I.P.L. had done for them.

The report was unanimously adopted. On the motion of MR. MAHONEY, seconded by MR. FULLAM, a dividend at the rate of 6 per cent. per annum was declared. DR. P. J. CASSIN was unanimously re-elected a director. MR. JOHN J. GREHAN was re-elected auditor.

DR. CASSIN raised the question of a bonus to the staff. MR. J. R. BELTON, Dublin, supported. MR. MCCAULEY said he would have great pleasure in conveying to the staff their appreciation.

OVERSEAS TRADE NEWS

Kenya Exports.—Exports from Kenya during 1944 were valued at £4,908,000, of which £835,000 was represented by pyrethrum. The major part of the pyrethrum crop was sent to the United States.

Influenza Vaccine for Britain.—A Melbourne dispatch states that large quantities of influenza virus vaccine are being sent from Melbourne to Britain from Australia's serum laboratories at the urgent request of British health authorities.

Small French Oilseed Crop.—The year's French oilseed crop (including rape, poppy, sunflower and mustard seeds) is expected to be one of the smallest ever harvested. The area planted to oilseeds was reduced by 88,745 hectares, representing a cut of 31 per cent. from last year's figure. The smaller area is expected to yield only 600,000 to 700,000 quintals, against 1,637,000 in 1944.

U.S. Company Announces New Fungicide.—Reuter reports from New York that a new fungicide has been announced by E. I. du Pont de Nemours & Co. The new material, an organic sulphur derivative developed by du Pont research, can be used separately or in combination with such insecticides as DDT, either as a spray or as a dust. It is called Zerlate and is based on zinc dimethyldithiocarbamate.

U.S. Artificial Limb Prices.—It is announced that forty-five corporations, thirty-four individuals and a trade association have been indicted by the United States Attorney-General on charges of conspiring to fix non-competitive prices for artificial limbs used by ex-Service men. Charitable institutions are alleged to have been prevented from making artificial limbs free of charge, and the development of improvements to artificial limbs is stated to have been discouraged.

U.S. Research on Moulds.—Experiments are now under way in the laboratories of the New York Botanical Gardens to find new moulds and fungi of medicinal value. Research work is being concentrated on the field of Basidiomycetes—the family of moulds which includes wheat rust, the common mushroom and fungi that produce dry rot of wood. This "family" contains something like 30,000 members. Some experts believe that this group offers at present the greatest opportunity of finding useful new substances. The present collection in the Gardens numbers some 500 moulds and fungi in this group, and two of these "germ-killers" are now being studied by commercial drug companies to see if they will provide a compound useful in medicine.

Expansion of U.S. Far-East Shipping.—An expansion of United States shipping routes to the Far East was outlined in a memorandum on post-war shipping distributed to United States shipping companies during the week ended November 10 by the Maritime Commission. The expanded plan calls for a total of ninety-three ships operating on eight trade routes connecting the U.S., Atlantic, Gulf and Pacific coasts with Japan, China, the Netherlands Indies, Australia and New Zealand.

DDT Against Cattle Ticks.—A Brisbane message from Reuter states that DDT killed arsenic-resistant ticks and buffalo flies in experiments conducted by the Central Coastal Graziers' Association in conjunction with the Australian Council for Scientific and Industrial Research. A 100 per cent. kill of ticks was obtained when heavily-infested cattle were sprayed with 2 per cent DDT. When cattle were inspected nine days after spraying, no live ticks were found. After the cattle had been turned back to their own paddocks, they were not reinfested up to four weeks afterwards.

Market Prospects in Turkey.—With the elimination of the once dominant German suppliers from the fine chemical and pharmaceuticals market in Turkey, there are believed to be good prospects for other foreign sources. The major portion of Turkey's requirements of these materials has always had to be met from abroad and the Government's plans for the encouragement of domestic production are not expected to eliminate the need for recourse to foreign suppliers. Rather, their effect would be to bring about some change in types of commodities called for. Fine chemicals, for example, may have to be brought into the country in greater quantities than hitherto as a result of these efforts to promote domestic production of medicinal preparations. The Government's plan may also have the effect of concentrating demand for foreign pharmaceuticals more on speciality products. Turkey's imports of medicinal preparations and serums before the war were substantial in both volume and value. In 1938 they reached 370,91 kilos, valued at 1,467,600 Turkish lira, and the following year totalled 234,213 kilos valued at 1,275,300 lira.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include exceptional marine risk insurance and other abnormal charges payable under present conditions

28 Essex Street, W.C.2, November 28

While business for the home trade continues on the quiet note characteristic of recent weeks, a good deal of export trade is being done to Scandinavian and other near countries. Prices are generally at steady levels, the few minor fluctuations being without significance. Routine business is being done in Pharmaceutical Chemicals at steady rates. Acetanilide and Amphetamine have been in fair demand, the latter mostly for export. Aspirin, though rather short, is available in adequate quantity for all medicinal purposes. Sulphanilamide is readily obtainable. Guaiacols remain difficult. A considerable demand has been received for Vanillin, but the supply position remains tight.

Crude Drugs are again in substantial inquiry, but business on the whole is quiet for the time of year. Rather better supplies of Cape Aloes are reported, but higher prices are being paid. Antimony remains in good demand at unchanged prices. Chillies are in less noticeable demand, with prices at the levels noted last week. Cloves prices are firm. A good export demand is reported for Colocynth, especially to Scandinavian countries. Spot stocks of Ergot are now small, and the remaining supplies at origin appear to be of very poor quality. Gum acacia remains firm at unchanged prices. Male fern root is steady at the higher spot prices noted last week. A fair business is passing in Menthol at the recent price, but supplies coming forward will be considerably cheaper. Nutmegs are exceedingly scarce. Rhubarb is wanted, but offers of high prices have failed to produce any spot supplies. Coriander seeds have been cleared, but there are forward offers. Fatty grey and prime yellow Carnauba wax are dearer on the spot, with all grades nominal for forward shipment.

The position of Essential Oils imported under the official scheme is unchanged. Very high prices would be wanted for any remaining small quantities of oil outside the scheme, but as no fresh supplies have been coming in for a long time stocks of such oils are practically negligible. English-distilled bud oil continues in clove demand. Nutmeg is exceedingly short, and no current quotations are available.

U.S. Drug Market Report

New York, November 23

Generally, the shortage among heavy chemicals continues. Among Fine Chemicals, most Tartrates display a decidedly weak tone, attributed in some quarters to the sugar situation. Imported Tartaric acid is available at only 66c. per lb., and Cream of tartar, in five- to ten-ton lots, is being offered at 49c. to 50c. per lb. The supply of Menthol is sufficient to meet all present requirements, and firm offers from China for December shipment are reported. Prices are above those for the Brazilian product, but this is probably due to lack of information there on American markets. Figures now available give evidence of a decline in the output of Sulphonamides in August, when 459,565 lb. was produced, against 539,683 lb. in July. Glycerin is still scarce, with no imports from South America to ease the situation. Mercury is still in small domestic demand, the price being maintained at $107 to $109 for the domestic product and $125 for the Spanish, duty paid.

The demand for Vanilla beans continues quiet; a larger sugar supply to extract manufacturers would stimulate business in this commodity. The new Mexican crop is expected to be small with a consequent rise in cost. Benzoin is still unobtainable, but a good arrival of Karaya gum is reported. Gum acacia is plentiful, though there is little real buying support at the present time.

Most Essential Oils continue in short supply. Imports from the Far East have not come up to expectations, and the troubles in Java add to the confusion of the market. Californian Lemon and Sweet orange are also short, the fruit crop there being the lowest for some years. Notable imports include 250 cases of Brazilian Orange oil and forty-eight cases of distilled Lime oil from Spain. Some Cassia and Anise have arrived from China, the first delivery from that country since the beginning of the war.

With the removal of price restrictions on Botanical Drugs, actual costs are being increasingly reflected in higher prices generally. There is a good demand from abroad for Mustard seed. Peppermint leaves are still unobtainable.

Pharmaceutical Chemicals

ACETANILIDE.—Fair demand, with prices steady at previously quoted figures.

AMPHETAMINE.—Steady at makers' price of 150s. per lb. In very good demand.

ASPIRIN.—Home market prices per lb., in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7 lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ASPIRIN TABLETS.—Scales per 1,000 for bulk supplies are as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

BENZYL BENZOATE.—Available only for medicinal purposes, price unchanged at 5s. 6d. per lb.; 7-lb. tins, 4s. 6d. net.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE AND SULPHATE.—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

BROMIDES.—Makers' prices per lb. for POTASSIUM, in 28-lb. lots, are as follows (containers in brackets): 3s. 8d. (1-lb.); 3s. 7d. (2-lb.); 3s. 6½d. (4-lb.); 3s. 5½d. (7-lb.); 3s. 5d. (14-lb.); 3s. 4d. (28-lb.). SODIUM, ½d. per lb. less; AMMONIUM, 2½d. per lb. more.

CHLORAL HYDRATE.—Current prices are as follows: 1 cwt., 3s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; smalls, 5s. 3d.

CODEINE.—Current prices per oz., for small lots, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE.—½ oz., 50s.; 1 oz., 47s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., 45s. PHOSPHATE.—½ oz., 43s. 9d.; 1 oz., 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 38s. 9d.

CREAM OF TARTAR.—A new price schedule under the Order amending the Tartaric Acid and Cream of Tartar (Control and Maximum Prices) Order, 1944, was given in the *C. & D.*, October 27, p. 441.

DIAMORPHINE.—Current rates per oz. for small quantities are as follows: BASE.—½ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.—½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

EMETINE.—British importers' prices are as follows: EMETINE HYDROCHLORIDE, U.S.P., 16 oz., 175s. 6d.; 4 oz., 178s.; 1 oz., 185s. per oz. EMETINE BISMUTH IODIDE, B.P. (Brazilian origin), 16 oz., 85s. 6d.; 4 oz., 87s.; 1 oz., 88s. 6d.; usual terms.

GUAIACOLS.—In short supply. Small lots in 7-lb. containers are quoted per lb. as follows: Liquid, 16s.; crystals, 15s.; carbonate, 15s.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d., 16 oz., 87s. 8d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—As noted recently prices have been advanced. Current rates are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 3d.; 28 lb., 9s. 9d; 14 lb., 10s. 3d.; 7 lb., 11s. 9½d.; 4 lb., 12s. 3½d.; smaller quantities, 12s. 9d. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 2d.; 14 lb., 10s. 8d.; 7 lb., 12s. 5½d.; 4 lb., 13s. 1½d.; smaller quantities, 13s. 11d. IODOFORM, B.P.—28 lb., 13s. 4d.; 14 lb., 13s. 10d.; 7 lb., 16s. 0½d.; 4 lb., 16s. 10½d.; smaller quantities, 17s. 8d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 8d.; 28 lb., 11s. 2d.; 14 lb., 11s. 8d.; 7 lb., 13s. 5½d.; 4 lb., 14s. 1½d.; smaller quantities, 14s. 10d.

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14-lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MANDELATES.—Makers' quotations are unchanged. SODIUM AND CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

SODIUM BENZOATE.—Little improvement in the supply position. Price 3s. per lb. down to 2s. 9d. per lb. for cwt. kegs.

SULPHANILAMIDE.—Supplies are good. Price about 8s. to 9s. per lb., according to quantity.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. according to quantity.

VANILLIN.—The agreed prices are as follows: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; less than 56 lb., 22s. 9d. per lb.

Crude Drugs

ALOES.—Supplies from the Cape seem to be coming along a little more freely, but higher prices are being paid.

ANTIMONY.—In good demand, with prices unchanged. English minimum 99 per cent. regulus, £112 10s. per ton, delivered; 70 per cent. crude, for the home trade, £90.

ARECA NUTS.—There appears to be nothing left on spot.

BALSAMS.—Small supplies of *Canada* on spot are priced at 13s. 6d. to 14s. per lb.; *Peru*, steady at 8s. per lb.; *Tolu* and *Copaiba* are unobtainable.

BELLADONNA.—English herb continues to be quoted at 4s. 6d. per lb.; Indian root, 0·25 per cent., 2s. 3d. per lb.

BISMUTH.—Demand is quite good. Price steady at 6s. 3d. per lb. for minimum 5-cwt. lots of metal.

BUCHU LEAVES.—In small supply on spot at from 5s. 3d. to 5s. 6d. per lb.

CHAULMOOGRA.—Spot quotations for *Hydnocarpus* are unchanged at 2s. per lb., in tins in cases.

CHILLIES.—Quiet conditions obtain, with prices at from 120s. to 130s. per cwt., according to seller.

CINNAMON CHIPS.—Spot continues to be quoted at 2s. 2d. per lb., ex store.

CLOVES.—Firm. Zanzibar, spot, 1s. 7½d. per lb., London; to arrive, 9¾d. per lb., c.i.f.

COCHINEAL.—Silvers on spot, unchanged at 5s. 9d. per lb.

COCOA BUTTER.—Officially quoted at 1s. 5½d. per lb. maximum. Sales under licence may be at higher prices.

COLOCYNTH.—From 2s. 6d. to 2s. 10d. per lb. would be the current spot price, according to seller. A good export demand is reported.

DIGITALIS LEAVES.—Steady at last-mentioned rates. Portuguese, 140s. per cwt.; English, 2s. 6d. per lb.

ERGOT.—Spot stocks are in small compass and any reasonably sound material would be worth 7s. 3d. per lb. As the last two crops have been failures, the balance at origin appears to be of very poor quality.

GINGER.—West African, spot, 85s. per cwt.

GUM ACACIA.—Firm; prices unchanged. Kordofan cleaned sorts, spot, 76s. per cwt., London; 74s., Liverpool, and 74s., Manchester; bleached, spot, 150s.; Talha, cleaned, 42s. 6d.

HENBANE.—Indian, spot, 250s. per cwt.; Egyptian (*muticus*), 85s.

JALAP.—The following grades are available on spot; 10·1 per cent., 3s. 6d. per lb.; 13·2 per cent., 4s.; 14·4 per cent., 4s. 3d.

KAMALA.—Material yielding 6 per cent. ash may be had on spot at 2s. 9d. to 3s. per lb.

KARAYA GUM.—Spot quotations for Indian No. 1 gum are steady at 210s. per cwt.

MALE FERN ROOT.—Indian is steady at the higher spot price of 85s. per cwt. noted last week.

MENTHOL.—A fair spot demand is being received and prices are unchanged at 80s. to 82s. 6d. per lb.

MERCURY.—Prices are controlled by the Control of Mercury (No. 11) Order (*C. & D.*, October 13, p. 388).

MYRRH.—Aden sorts of good quality may be obtained on spot at £18 per cwt.

NUTMEGS.—Current prices for any available supplies are as follows: West Indian, 80's, 10½d. per lb.; sound unassorted, 3s. 7d.; Sorrmy and broken, 3s. 4½d., nominal.

PEPPER.—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Firm, with spot sellers at 1s. 6d. per lb.

QUASSIA CHIPS.—No supplies are available on spot. January delivery will be at 40s. per cwt.

RHUBARB.—No supplies appear to be available, although high prices have been offered.

SEEDS.—Current rates are as follows: ANISEED.—Turkish, spot, 2s. 8d. per lb. CORIANDER.—Spot supplies have been cleared and there are no offers; forward, 120s. per cwt., c.i.f. CUMIN.—Maltese, 150s. paid; Indian, none available. DILL.—London, 80s.; Liverpool, 80s. FENNEL.—Supplies exhausted, nominal. FENUGREEK.—Hull, 67s. 6d.

SENNA.—Alexandrian hand-picked pods are in good demand; price nominal at 4s. per lb. Good manufacturing Alexandrian pods, 2s. per lb. Tinnevelly leaves, No. 1, 10½d. per lb.; No. 2, 8½d.; No. 3, 7d.

STROPHANTHUS SEED.—Spot, 100 per cent. Kombé, 7s. per lb.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £135 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Sound Madras finger, spot, 120s. per cwt., nominal; c.i.f., 67s. 6d. paid.

WAXES.—BEES'.—Dar-es-Salaam, spot, 245s. per cwt. (not Government stocks). CARNAUBA.—Fatty grey, spot, 625s. per cwt.; prime yellow, spot, 710s.; chalky grey, spot, none available; all grades forward, nominal. CANDELILLA.—Spot, 300s., nominal; December–January arrival, 275s. per cwt., nominal. OURICURI.—Spot, 400s., nominal, according to quality.

Essential and Expressed Oils

CASTOR.—Bulk supplies are officially quoted as follows: "Firsts," £82 per ton; "seconds," £80, both naked ex works.

CLOVE.—English-distilled bud oil continues in good demand. Price 12s. 6d. to 13s. per lb., according to quantity.

COCONUT.—Fixed prices are as follows: Crude, £49 per ton; refined deodorised, £49; refined hardened deodorised, £53.

GROUNDNUT.—Bulk supplies of refined deodorised are priced at £58 per ton, ex works.

LINSEED.—Crude has been advanced by £3 per ton to £65 per ton naked ex works.

NUTMEG.—Supplies are exceedingly short and no quotations are available.

OLIVE (EDIBLE).—Price charged to wholesaler by importer is 25s. 9d. per gall., ex store. Prices charged by wholesalers to retailers are agreed by Ministry of Food as follows: 33s. 6d. per gall. in 1-gall. loan cans; 34s. 3d. in ½-gall. loan cans; 35s. in 1-quart loan cans; 36s. per gall. in 1-pint cans.

TRADE MARKS

(*From "The Trade Marks Journal," November 7*)

"ANSEP"; for surgical dressing powder (5). By Southern Utilities, Ltd. 50–52 Castle Lane, Bournemouth. 636,084.

"PINTOUX"; for pharmaceutical preparations and substances (5). By Bismag, Ltd., Braydon Road, London, N.16. 636,100.

"BELLADOR"; for powder puffs, combs, sponges, brushes, etc. (21). By Bellador, Ltd., Finsbury House, Blomfield Street, London, E.C.2. 635,825.

APPLICATION AMENDED AFTER ADVERTISEMENT

Specification No. 632,002, by Vitaproducts (London), Ltd., should be altered so as to read: "Pharmaceutical preparations and substances for human use, but not including preparations for the treatment of the scalp or goods of the same description as these excluded goods."

(*From "The Trade Marks Journal," November 14*)

"LENSITOL"; for chemical products used in industry, science, photography, agriculture, horticulture and forestry, excluding insecticides, fungicides and weed killers (1). By Technical Products, Ltd., 29 Great St. Helens, London, E.C.3. 633,897 (Associated).

"EMPILAN"; for industrial chemicals (1) and waxes for use in manufacture, etc. (4). "EMPIWAX"; for industrial chemicals containing wax (1), toilet and cosmetic preparations, all being or containing wax (3), and for waxes for use in manufacture (4). by Marchon Products, Ltd., Holders Hill Crescent, Hendon, London, N.W.4. 634,808, 634,810, 634,811–13 (all Associated).

"BAGHARI"; for perfumery (3). By Société d'Études et d'Expansion de la Parfumerie de Luxe, c/o A. W. Parfitt, Stafford House, Norfolk Street, London, W.C.2. 634,010.

"WALLDECO"; for soaps, etc. (3). By J. C. Bottomley & Emerson, Ltd., Brookfoot Works, Halifax Road, Brighouse, Yorks. 636,061.

"ESOLON"; for medicines for human use; disinfectants and antiseptics (5). By Southon Laboratories, Ltd., 88 Upper Richmond Road, London, S.W.15. 633,620 (Associated).

"CRYPTOL"; for surgical antiseptics (5). By Pectoral Proprietaries, Ltd., The Borough, Hinckley, Leicestershire. 633,735.

"DELADRIN"; for medicines for human use (5). By Watford Chemical Co., Ltd., 11 Waterloo Place, London, S.W.1. 634,247.

"PROTECTOPLAST"; for surgical dressings, surgical plasters and surgical tapes (5). By Protectoplast, Ltd., 58 West Regent Street, Glasgow, C.2. B634,801.

"WAGTAIL"; for lotions for veterinary use (5). By W. A. Smith, 182 Blackfen Road, Sidcup, Kent. 635,068.

"SANALCOLAT"; "SANOQUIN," "AMURAL" and "LACTOCETHIN"; for pharmaceutical preparations. "DORMALETS"; for sedatives, and "PANCRESALETS"; for pharmaceutical preparations for use in the treatment of diseases of the pancreas (5). By Nu-Organic Remedies, Ltd., 192A Broadhurst Gardens, West End Lane, London, N.W.6. 635,228, 635,231, 635,233, 635,239, 635,234, 635,241 (Associated).

"APERISTOL"; for aperient medicines for human use, for export. "PRONTAMIDOLS"; for pharmaceutical preparations of sulphonamides, and "CHOLESTIMIN"; for pharmaceutical preparations for the treatment of the bile or gall bladder (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 635,312, 635,874, 635,897.

"CARDOSPIRAN"; for pharmaceutical preparations for use in the treatment of heart complaints. "SYNOBROM"; for pharmaceutical preparations of bromine. "SYNOPHAN"; for pharmaceutical substances (5). By Chemi-Synthetics, Ltd., Cubitt Town Wharf, Saundersness Road, London, E.14. 635,895, 635,896–97 (Associated).

"IMBRINI"; for pharmaceutical preparations and substances (5). By Indo-British Industries, Ltd., 30 Sussex Place, Hyde Park, London, W.2. 635,964.

"TINY TIM"; for pharmaceutical preparations (5). By G. W. Scaddan, The Broadway Pharmacy, Didcot, Berks. 635,185.

"STEMEL"; for scientific apparatus and instruments, and parts (9). By Garden City Engineering, Ltd., Mill End, Thaxted, Essex. 635,402.

"ZEAL"; for clinical thermometers (9). By G. H. Zeal, Ltd., London Road, Morden Road, Merton, London, S.W.19. 635,936 (Associated).

"VULCASCOT," and also word "Vulcascot" across circle containing letter "T" (disclaimed) (17). By Vulcascot (Great Britain), Ltd., 1 Lampard House, 8 Maida Avenue, London, W.2. 635,955, 636,020 (both Associated).

"MANDELLE"; for sponge bags and travel holdalls (18). By J. Mandleberg & Co., Ltd., Albion Works, Cobden Street, Pendleton, Salford, 6. B635,202.

Device of a horseshoe and a brush (latter disclaimed) imposed upon a circle; for brushes (21). By E. W. Hayward, Ltd., Penton Brush Works, Edgware Road, Cricklewood, London, N.W.2. 635,741 (Associated).

APPLICATIONS MADE TO THE CUTLERS' CO., SHEFFIELD

"TOPAZ" and "ZEALITE"; for safety razors and safety razor blades (8). By Cutlery Export Co., Stable Works, Edward Street, Sheffield, 3. 635,779/7693S and 635,780/7694S.

APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification No. 626,652, by Interlake Tissue Mills Co., Ltd., should be altered so as to read: "Paper articles (not included in other Classes); paper napkins, paper tablecloths, and paper toilet seat covers (not medicated).

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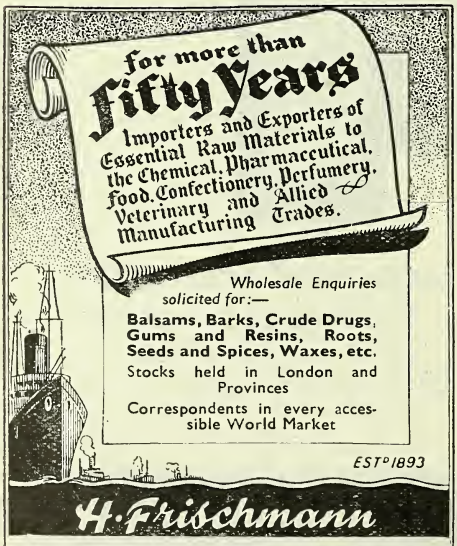

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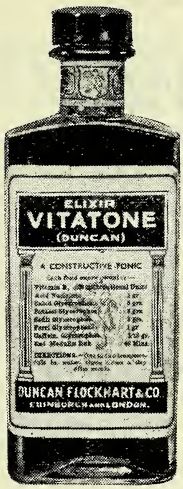

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QUASSIA CHIPS
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STRAMONIUM LEAVES
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Telephone: LONdon Wall 5741 (5 ext.)
Telegrams: "Ergotine, Stock, London."

Cloister
Herbal Tea
AS ADVERTISED

A gentle natural corrective for sluggish bowels. Purifies the blood, promotes sound sleep and regular habits.

BONUS PARCEL
for Display

1 of each size BONUS	
1 doz. 7d. size	6. 0.
1 doz. 1/8d. size	18. 0.
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Less 33⅓%	8. 0.
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Cash with order	18. 3.
Selling price of this parcel	29. 3.

Your usual wholesaler will supply less 33⅓% discount, or, bonus parcel for display as detailed alongside supplied direct by us. Attractive showcard enclosed with parcel

WHOLESALE DISTRIBUTORS WANTED

Campbell Laboratories
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B.C.I. DYES

PACKED IN DISPLAY CARTON WITH SHADE CARD
RETAIL 6d. PACKET

Sole distributors for the chemist trade
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PHENAZONE B.P.
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MENTHOL NATURAL
GLANDULAR PRODUCTS

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Lozenges
Relieve Sore Throat.
Disinfect mouth, throat, chest
1/–, 1/10, and **12/6** sizes

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Antiseptic Skin Balm
Contains 3 active antiseptics
Soothing, healing, Flesh coloured
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Deodorising
Non-greasy
GOOD PROFIT
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for a deep red and brilliant waterproof finish for bricks, cement, stone, etc.
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HELSKA
Dandruff Remedy and Hair Tonic
For a healthy scalp and luxuriant hair
3/6 per bottle

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For Children's Hair
Removes all vermin in one application
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For a closer, cleaner, smoother, more comfortable shave and a lovely skin
LOSKI
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GLOREEN
Triple Gloss Hair Cream for men who want the best
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For a glorious shine In a fraction of the time
Beautifies the coachwork, leather and leathercloth upholstery, waterproofs the hood and plated parts
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Gives an easier, quicker, brighter, and longer lasting shine and leaves the hands soft and smooth
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Beauty preparations of the finest quality by
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Shoe Creams
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in all fashionable colours
Retail **1/–** per jar

RESTORE your Hair to its original colour
ORICOL
Brings back Youthfulness to greying hair
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The gentle laxative for infants and all ages
3/6 and **6/6** per bottle

Send stamp for details, stating lines in which you are particularly interested, to

The BRITISH SURGICAL & DRUG CO., LTD.
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RUBBER HOT WATER BOTTLES ARE SCARCE

THE ORIGINAL **Reliance** SEAMLESS MOULDED

GR-S SYNTHETIC & NATURAL RUBBER COMBINED

During the war years, hot water bottles have not been made. After this interval, there is a pent-up demand which cannot be satisfied quickly with present restricted labour force. Inevitably, there will be a shortage this coming winter but we will do all we can to distribute available supplies fairly to those on our books in 1938-1939. Despatch will be made in turn and notice from customers is not necessary.

We cannot supply friends not on the 1938-1939 list for the moment, but please write and register your needs for future attention. Reliance aims to double its 1939 record output next year.

RELIANCE RUBBER Co. Ltd.,
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The name upholds *your* reputation for stocking the best . . . . a point to remember when normal supplies again become available.

NORTH BRITISH

RUBBER CO. LTD. EDINBURGH & LONDON

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MENEX SOLUBLE

NAMES WITH A REPUTATION BUILT ON WOMEN'S TRUST

Our restricted output is shared equally—as far as is humanly possible—among our trade friends.

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CHESTERFIELD AND LONDON

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MANUFACTURERS' REPRESENTATIVES
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With Offices at Bombay, Calcutta and Delhi, and First-class Sales Organization and own travellers they offer modern facilities for wholesale distribution throughout the Country.

If you are seeking reputable representation for TOILET REQUISITES, PERFUMERY and PROPRIETARY ARTICLES write to—

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Greatest Boon & Comfort for Women

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THE MODERN SANITARY TOWEL

Retail: 2/- for 10; 1/- for 5

From all Chemists and Wholesalers

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"Prophylactics should, under regulations and safeguards, be available at proper Chemists up and down the country"

. . . Parliamentary debate on Venereal Disease Control reported Daily Telegraph, Dec. 16, 1942

Our Chemist Customers share in this Control by serving the public with the finest protectives "SELKA"

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The new improved Sanitary Tampon

LIL-LETS have received the warm approval of the medical profession, but continued war-time restrictions prevent the manufacture of quantities sufficient to meet the demand. Production is steadily increasing, and already slightly larger quantities are being distributed to the trade. It must, however, be appreciated that this will not yet provide a regular quota for every chemist.

LIL-LETS are packed in attractive cartons containing 4 packets of 3, wrapped in transparent film.

Retail Price
1/9 *PER CARTON OF 12 TAMPONS*

Trade Price
15/4 *PER DOZEN CARTONS NET*

Lil-lets

Made in England by
T. J. SMITH & NEPHEW LIMITED
NEPTUNE STREET, HULL
Makers of Elastoplast

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The advent of war made necessary the sending of large quantities of medical and hospital supplies to Russia from Britain and it is pleasing to know that the quality of these supplies was greatly appreciated by hospita and field ambulance staffs

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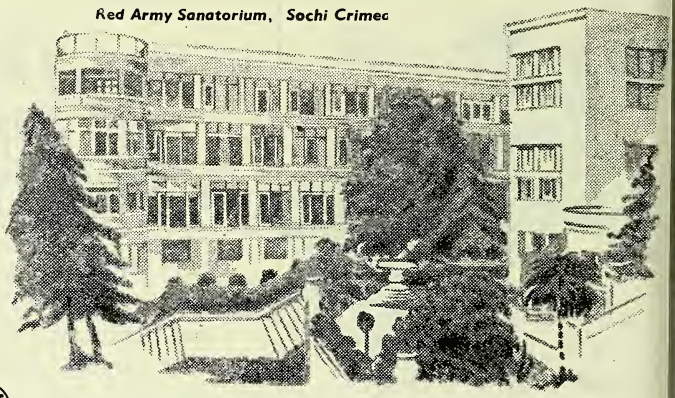

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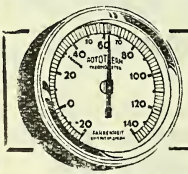

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ORDERS WITH LICENCE NOS. & YOUR BANK'S NAME **INVITED**

Good! it's **MASON'S**
EXTRACT OF HER
The Chemists' FAVOURITE for over 75 YEARS
A 9d. bottle makes 6 gallons delicious sparkling Mason's H Beer. GOOD PROFITS—QUICK SA
Write for Trade Terms
NEWBALL & MASON LTD., NOTTINGHAM. Est. 1

The Meteor smashes the air speed record
NERVOIDS
will smash attacks of 'flu, colds and the wor headaches, neuritis, neuralgia, etc.
Your customers will appreciate your keeping ad quate stocks this winter and the line show generous profits on best terms.
If you don't at present stock this line ask yo wholesaler to supply or write direct to sole di tributors giving name of usual wholesaler.
Sample size 3½d. for 5 tablets. Trade 24/- p gross plus 4/- P. Tax less 2½% for monthly pa ments. 5% for fortnight's window display.
Sole Distributors: **BENJAMIN BROOKS & CO**
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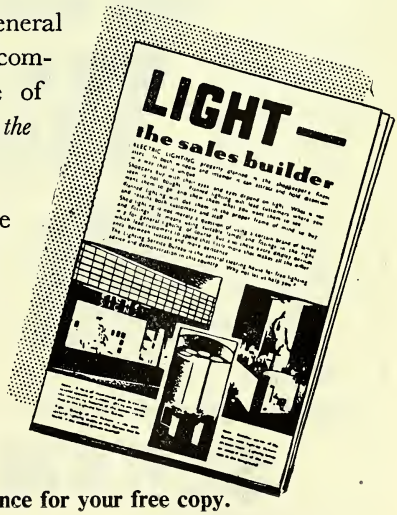
LIGHT can revitalise your business

Electric lighting, properly planned, is the shopkeeper's best draw. Light attracts customers, pleases them and helps you to sell. To assist in a better understanding of the value of good lighting, the Lighting Service Bureau has produced *Light—the Sales Builder*, a most useful publication with ideas for large or small shops.

Special lighting for displays, for general lighting and for showcases—in fact, recommendations for practically every type of business are dealt with in *Light—the Sales Builder*.

The diagrams and hints will be of the utmost interest *now* and in preparation for the time when shop window lighting and unrestricted shop lighting are once again permitted.



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THE LIGHTING SERVICE BUREAU, 2 SAVOY HILL, LONDON, W.C.2
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(TRADE MARK)

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DEATH TO MOTHS AND INSECTS

Ozoline kills pests at all stages including eggs and larvæ.
It is non-inflammable, non-greasy, non-staining, non-toxic, and has a delightful pleasant odour.
Ozoline contains 8% active ingredients.

Used extensively for the past fifteen years by the wool and fur trades, and by numerous public health authorities.

Good discounts allowed **Retail Prices: 1/4 & 3/- Bottles**

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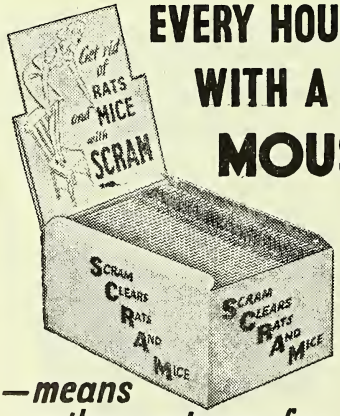
From leading Wholesalers, or direct from

OZONOL LABORATORIES (1930) LTD., NEW WHARF ROAD, LONDON, N.1



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—means another customer for

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From most wholesalers:-

3 DOZEN *in display box* 25/6

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Always in demand!

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IRAQ—Well-established Drug House, with efficient sales and distributing organisation, seeks to enlarge its representation for IRAQ among Manufacturers of British Drug and Pharmaceutical products. Large turnover guaranteed.

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The Certain Killer

Rats 1/9 . . . Mice 1/-

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The public have heard so much about D.D.T., but it is essential that it should be used in a reliable preparation to ensure the full efficiency of its application. You can rely on FLYOL products. Cash in on the wide publicity of D.D.T. and the goodwill of the widely advertised FLYOL brand products.

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CONTAINING **D.D.T.**/GEIGY

IN LIQUID AND POWDER FORM

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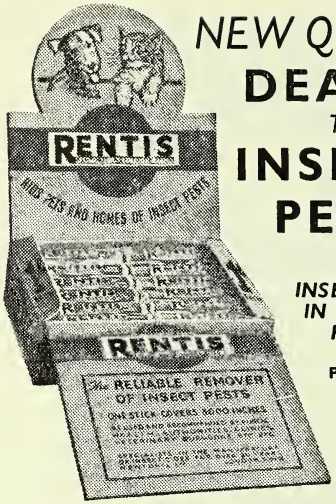

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PRICE 1/-

The handiest and most economical method yet devised to free clothes, furnishings and domestic pets from lice, fleas, bugs, etc. One stick covers 3,000 inches. Used by Health Authorities, Veterinary Surgeons, etc.

See our representative or write for particulars

RENTOKIL LTD., 168-170 Stockwell Road, London, S.W.9

Insecticide Manufacturers for over 20 years

FOR A QUICK SELLING LINE...

POWDERS

ALSO IN TABLET FORM

Made to a sound, approved formula. Extensively advertised and showing good profits.

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Manufacturing Chemists, Blackheath, Birmingham

A Few Areas open for Agencies

M-W 52

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The ONLY STAIN REMOVER with the CLEANING PAD!

Non-inflammable. Spots and stains disappear as if by magic. No cleaning cloth needed—no waste—the cleaning pad is fixed in neck of bottle—always ready for use!

So simple and effective

IT SELLS ON SIGHT!

RETAIL PRICE 1/9 *per bottle*

NATIONALLY ADVERTISED
SHOW MATERIAL AVAILABLE

GENEROUS TERMS TO TRADE

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FARNHAM · · SURREY

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NOW AVAILABLE

DEVON BRAND

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DUSTING POWDER

6d. DRUMS (SPRINKLER) 4/3 per doz.

1/3 CARTONS 10/6 ,, ,,

MINIMUM ORDERS £3 (mixed parcel)
CARRIAGE PAID PACKING FREE

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AURORAL COLD WATER DYES 6d.

WINNER STOCKING AND HOME DYES 3d.

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Get the CREAM of Results

with the help of Dinky . . . the Dyes which have a healthy effect on turnover. Attractively packed and displayed, consistently advertised these are the Dyes you should be handling.

3d. Per Carton

TERMS: 27/- gross 5 gross less 10%

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GEORGE BELLS BLOOD SALTS *for Dogs* CAT POWDERS

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Men's. White or Khaki **13/9, 15/-.**

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SEAMED AND SEAMLESS

For special garments to measure we give the best possible service

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50 years' service of everything Surgical

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BOTTLES · JARS · LEVER, SLIP, HINGE LID AND SPRINKLER TOP TINS · COMPOSITE CONTAINERS & UNUSED RECONDITIONED DRUMS · WOODEN BOXES, CRATES, KEGS AND BARRELS · STONE JARS · MONO CUPS COTTON BAGS · BAKELITE CAPS · STOPPER CORKS (UNUSED) · CARBOYS · PLAIN AND PRINTED CARDBOARD CARTONS AND SKILLETS · PLAIN AND PRINTED PAPER BAGS · CORRUGATED PAPER AND CARDBOARD · WAXED PAPER SHEETS, REELS AND BAGS · TRANSPARENT FILM BAGS, SHEETS AND REELS · PLAIN AND PRINTED ENVELOPES · GLASCINE BAGS AND SHEETS ADHESIVE REELED PAPER · WRAPPING PAPER.

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PLEASE ACCEPT ALL S.D.I. EMPTIES AN RETURN THEM TO YOUR SUPPLIER

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Brand's Man makes his
calls in rotation,
In spite of the
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With infinite skill,
And lots of goodwill,
He gives you a
just allocation.

F shares for all — that is the policy of B d & Co. when supplies are short. That is w the Brand salesman, although he cannot meet yo full requirements, will always offer you a fair pe ntage of the available supplies. All Brand's pr cts are distributed on a strict quota basis.

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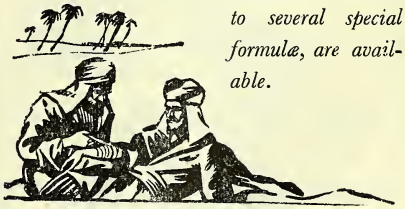
SAMARITAN
Olive Oil is not yet available but . . . . . .
SAMARITAN OINTMENTS

rank equally high in their class and are available at reasonable prices in 1 oz. and 2 oz. amber jars.

A good range of B.P. and B.P.C. preparations, in addition to several special formulæ, are available.



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The Childrens' Cough Elixir

ROSE HIP AND BLACK CURRANT SYRUP BASE

Extensively advertised in Great Britain

ACTIVE INGREDIENTS

Ext. Scill. Liq.	0·208%
Ext. Ipecac. Liq.	0·042%
Liq. Tolu	3·33%
Acid Phosph.	0·125%
Acid Acet. Dil.	0·5%
Glycer.	17·5%
Conf. Ros. Can.	3·5%

RETAIL:
1/6½ and 2/9 per bottle

COST:
10/6 and 19/6 per dozen, plus 16⅔% P.T.

BONUS:
13 to the Dozen on Assorted Gross Lots

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Members of the P.A.T.A.

Made by HOUGH, HOSEASON & CO., LTD. Levenshulme, MANCHESTER, 19

FINE (Red Label) · MEDIUM (Green Label)

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KING'S SPECIALLY PROCESSED OATMEAL

Only the pick of the Scottish Oat crop is used in its preparation.

ESPECIALLY SUITABLE FOR INFANTS, YOUNG CHILDREN INVALIDS AND THE AGED

RETAIL SELLING PRICES

Medium	1 lb. tin 1/4	2 lb. tin 2/6
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Pharmaceutical Chemicals
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HIGHEST QUALITY

All Grades—Powder, Leaf, Sheet.
In Bulk, also 7, 14, 28 lb. Tins and Bags
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SHERLEY's sales policy is to give the fullest support to every Trader, and if orders are sent ahead it will be possible to avoid empty shelves and disappointed customers.

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Dr. J. Collis Browne's Chlorodyne
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Dr. J. Collis Browne's CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

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Inquiries particularly invited for the Export Trade, Agencies will also be considered; special terms to Wholesalers

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Snoods	**11/-**	**doz.**
Sleeping Nets	**9/9**	,,
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Teething Rings	**8/6**	,,
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Chamois Face Cloths	**12/-**	,,

The above are subject to 33 per cent. P.T.

Also available: Perfume, Lipsticks, Mascara Creams, Eau de Cologne, Toilet Mirrors, etc.

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EXCLUSIVE PACK
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LONDON OFFICE: 2 BERRIDGE Grn. EDGWARE

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We can now supply Oblong Tins for Pills and Tablets, Rouge Tins, Ointment Tins, Talcum Tins, Polish Tins, etc., at competitive prices and invite inquiries, stating quantities required.

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AUTOMATICALLY CONTROLLED CREAM FILLING MACHINES, ***incorporating the latest developments, for filling jars, bottles and tubes.***

VACUUM-OPERATED LIQUID FILLING MACHINES of latest patent design.

These machines may be inspected and tested by appointment

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Complete Chemist's Shop Fitting in Mahogany, 28′ 6″ × 9 ft. high, fitted with 5 glass fronted display cases, 5 sets of display shelves, 80 drawers, 22 cupboards. In sections; can be divided if required; especially constructed for a well-known chemist. Can be inspected West End London. Apply: **THE LIQUIDATOR**
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Two cases "12 × 5 lb. tins" **Japanese Peppermint Oil** (well matured) in original tins. **130s.** per lb. Offers wanted for Aniseed Oil and a few 20-lb. tins Wayne County Peppermint Oil.

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in lovely pastel colours
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Pharmaceutical preparatiion of pure Glycerine and Lemon Oil. In great demand. Packed 6 oz. bottles, retail **2/-** inc. tax. Samples available.

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

DECEMBER 1 1945

28 ESSEX STREET, LONDON, W.C.2

evailing restrictions and heavy demand on space necessitate the holding over of a number of vertisements week by week. As normal press days are in abeyance advertisers are advised to send structions as early as possible. Advertisements must be prepaid. Box Office Numbers 1/- extra.

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None of the vacancies in these columns relates to a man between the ages of 18 and 50 inclusive or a woman between the ages of 18 and 40 inclusive unless he or she is excepted from the provisions of the Control of Engagement Order, 1945, or the vacancy is for employment excepted from the provisions of that Order.

RETAIL (HOME)

ALLEN & HANBURYS, LTD., offer excellent experience to young Pharmacists; hours 9 a.m. to 5.30 p.m. Apply Manager, Allen & Hanburys, Ltd., 7 Vere Street, W.1.

A NUMBER of women with Drug Trade experience required for Clerical Work. Apply the National Pharmaceutical Union, 4 Queen Square, W.C.1.

BERKSHIRE, 40 miles from London. A vacancy will shortly occur for a Qualified Pharmacist as Superintendent; light duties most suitable for an elderly gentleman or disabled service man; single preferred owing to housing difficulties. Write 938/986, C. & D. London Office.

CHEMIST required (full or part-time) for Manufacturing; also Chemist for Retail Shop. Amblins, 338 Kilburn High Road, N.W.6. 'Phone MAI 6203.

EXPERIENCED Qualified Manager wanted at once; comfortable permanency to suitable man. Apply with full particulars of age, experience and salary required, giving references. L. Piper, Chemist, The Wolsey Pharmacy, 47 St. Nicholas Street, Ipswich.

HERTFORD. Unqualified Lady or Gent, experienced in Dispensing for Counter. Apply stating salary required. Sheffield, 18 Queen's Road, Hertford.

HULL. Qualified Assistant wanted, take charge of Dispensing Dept., Counter Work and other general duties; permanency for suitable applicant. Apply stating age, experience and salary expected. CDB/432, C. & D. London Office.

LADY Dispenser with some experience of Retail Pharmacy required to assist another lady dispenser in high-class pharmacy in London (Western District). Good salary, half-day Saturday. Apply 636/897, C. & D. London Office.

LEICESTER. Temporary Manager required from now until June–July, 1946; owner of pharmacy in Royal Navy, Group 45. Applicant must have knowledge of small scale manufacturing and purchase tax application. 630/681, C. & D. London Office.

MANAGER, experienced, take charge Pharmacy North-West London; permanency; good prospects suitable applicant. Apply 938/962, C. & D. London Office.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

OXFORDSHIRE. Lady Pharmacist for Dispensing and Counter; experience in window dressing an advantage; no Sunday or half-day duty. Neave & Lea, Chemists & Opticians, Witney, Oxon.

SMALL multiple firm have vacancies for Pharmacists of repute with promotion dependent upon the successful applicants' own ability. Those men and women interested should apply to 637/928, C. & D. London Office.

ST. ALBANS. Immediate vacancy for male or female Assistant, Qualified or Unqualified; good conditions and salary; 44-hour week; no holiday or Sunday duty. Rees, 104 London Road.

TIMOTHY WHITES & TAYLORS, LTD., shortly have vacancies for Qualified Managers at Romsey, Bournemouth, Watford, Brighton, etc. These positions offer excellent opportunities to pharmacists desiring to settle down in progressive posts. Interviews arranged at or near home towns as necessary. Full particulars to Staff Manager, Timothy Whites & Taylors, Ltd., Allen House, 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED Assistant required for West End Pharmacy; no Sunday duty. Write stating experience and salary required. 938/953, C. & D. London Office.

WANTED Qualified Assistant, good Dispenser essential. Apply Martin, Chemist, Cardiff.

WANTED Temporary Qualified, also Qualified Permanent, over military age. Particulars to Roberts, Ltd., 1 Belgrave Road, Longton, Stoke-on-Trent.

WHOLESALE

AGENTS, calling on Retail Chemists and Manufacturing Chemists, wanted to represent London firm of Container Merchants. 938/976, C. & D. London Office.

ANALYTICAL Chemist required by well-known house of manufacturing chemists in N.W. area, preferably with previous experience of chemical and spectroscopic assays of Vitamin containing oils and food-stuffs. Box 1357, Scotts, 9 Arundel Street, Strand, W.C.2.

ASSISTANT Chemist (Senior) required by Manufacturing Chemists near Liverpool for analytical, research and factory control work. Minimum essential qualifications are A.R.I.C., or B.Pharm. or Ph.C.; good personality, ability to organise, control staff and to work smoothly with chief chemist and colleagues. Give fullest details of education, experience and any special qualifications, together with some idea of salary expected. Applications strictly confidential. 637/943, C. & D. London Office.

ASSISTANT to Sales Manager required by well-known London firm, Chemical Manufacturers and Wholesale Druggists; knowledge of retail trade essential; some training or experience in wholesale sales organisation an advantage. Write giving fullest particulars in first instance to 938/967, C. & D. London Office.

B. LEWIS (SOLIBRIL) & CO. require Commission Agents, all areas, for "Solifoam" Liquid Shampoo. Only men with extensive connexions amongst the trade who can influence bulk orders and who appreciate a first-class delivery service need apply. Write 42 Crownstone Court, London S.W.2.

CAPABLE Stenographer required by London House, must be acquainted with Secretarial duties and possess a knowledge of Medical and Pharmaceutical terms. Good position and salary for the right person. Apply stating age and salary required to 636/904, C. & D. London Office.

CHEMIST, Qualified or Unqualified, wanted, capable of manufacture of Lipsticks, Rouges, Face Powder, etc.; good prospects for right man. Apply Northam Warren, Ltd., 33–41 Westbourne Grove, Bayswater, London, W.2.

CHEMIST required to take charge of Work Laboratory; knowledge of Analysis and Bacteriological Testing of Pharmaceutical Products essential. Please write, giving full particulars and salary required, to Managing Director, Optrex, Ltd., Wandsworth Road, Perivale, Greenford, Middx.

CHEMIST. Degree and Pharmaceutical training for the production of Glandular Extracts, Hormone and Vitamin preparations; knowledge of production of Sterile Injections, Research experience and Plant Supervision an advantage; London area. 939/992, C. & D. London Office.

EXPERIENCED Full-time Representative to cover Lancashire and Cheshire required by Company distributing well-known and advertised Medicinal and Toilet Preparations. Applicants who must be willing to reside territory should apply in first place to McKenna & Co., Solicitors, 14 Waterloo Place, London, S.W.1, marking envelope Representative, and stating age, details of past experience, indication of remuneration required, together with other relevant particulars in confidence; good established position with opportunity for further advancement.

EXPERT Tablet Coater required by Manufacturing Chemists in West of London; good wages paid to right man. Send applications, together with references and wages claimed, to Box 835A, Smith's, 100 Fleet Street, E.C.4.

FOREMAN, experienced in the manufacture of Galenicals, Ointments, Creams, etc., wanted by Manufacturing Chemists in a N.W. London suburb; good prospects. State experience and salary required in confidence to 938/961, C. & D. London Office.

GEORGE BELL'S PET REMEDIES. Messrs. B. & Sons, Silverdale Works, Liverpool, 13, invite applications from experienced Salesmen of high integrity and proved selling ability for Vacancies in their Sales Staff in the East Midlands and South Wales. Remuneration, salary, expenses and bonus. Apply Sales Director as above.

INDIAN Merchants, opening London Office, require capable Clerk, either sex, to take charge of Export, Import and Customs formalities; general office routine and typing essential. Applicant must be immediately available. Write stating experience and salary required, with references. 938/974, C. & D. London Office.

LADY Assistants required in Biological Laboratory of old-established firm of manufacturing chemists in Central London. 939/988, C. & D. London Office.

MAN required to assist in the production of Emulsion, Tablets, Cosmetics and other Pharmaceuticals under qualified supervision, London area. Write stating age, experience and salary required. 938/977, C. & D. London Office.

MIDLANDS. Foreman wanted for Packed Goods Department. Full details of experience, methods, salary required, etc., to 938/969, C. & D. London Office.

PACKING Foreman or Forewoman required in the Richmond area by prominent manufacturing chemists; experienced in the organisation of packing department, particularly medicinal tablets. Should apply in writing, together with references and wages claimed, to Box 832A, Smiths', 100 Fleet Street, E.C.4.

PHARMACIST, lady, required by well-known old-established firm of Manufacturing Chemists on South coast to take charge of department employing 30 to 40 women and girls engaged in filling, labelling and packing Tablets, Pills, Proprietary Medicines, etc. Modern factory, good conditions; previous similar experience desirable, though not essential. Particulars of experience, age and salary, stating when free, to Box A.G., c/o Street's, 110 Old Broad Street, E.C.2.

PHARMACEUTICAL organisation of national repute requires services of Unqualified Chemist Manufacturing Laboratories; position is permanent and progressive; remuneration according to experience and abilities. Box 1363, Scotts, 9 Arundel Street, Strand, W.C.2.

POWDER Mixer and Counter Hands, Wet and Dry, required by Manufacturing Chemists; Central London area. 939/987, C. & D. London Office.

REQUIRED in very near future keen and ambitious man, age about 30, with sound business knowledge and preferably experience in cosmetic trade including export; would be trained and expected to be able to take full responsibility whilst proprietor travelling abroad; first-class prospects. 939/978, C. & D. London Office.

REPRESENTATIVES required by Pharmaceutical House of high standing selling nationally-advertised proprietaries on salary, commission and expenses. Territories vacant West of England, South Wales, Yorkshire, Scotland. First-class men with good records only considered; car allowance; good prospects. 635/866, C. & D. London Office.

REPRESENTATIVE required for Wholesale Chemist and Druggist Sundriesmen. Write stating age, experience, etc. 938/966, C. & D. London Office.

REPRESENTATIVES, calling on chemists and hairdressers, required to carry additional quick selling lines on liberal commission basis. 938/960 C. & D. London Office.

REQUIRED for Manufacturing Chemists: Male and Female Packers, Machine Operators, etc. 44 hr week. Apply 636/898, C. & D. London Office.

SALES Manager with proved success in marketing high-class ethical products offered permanent well-paid position with London Manufacturers; Export experience valuable. Write, stating age, qualifications, experience and salary required, to 938/984, C. & D. London Office.

TABLET Coater required by Midland Manufacturing Chemist. Write stating age and experience to 632/749, C. & D. London Office.

TABLET Maker required for London factory with modern machinery; good wages and prospects. 938/993, C. & D. London Office.

TABLET Maker and Coater required to take full charge of Tablet Department of well-known South London Manufacturing Chemists planning extensive developments; good salary and excellent prospects; canteen, pension fund, modern factory. Write stating age, experience and salary required to 938/958, C. & D. London Office.

TRAVELLER required to carry additional lines; good prospects and commission, quick selling products. Write for full particulars. 938/963, C. & D. London Office.

WANTED Foreman Packer by manufacturers of fine chemicals in North-west England, Home and Export, used to female labour; good opening for young man with initiative. 635/859, C. & D. London Office.

WHOLESALE manufacturing chemists require capable and energetic Assistant, qualification not essential but some knowledge of wholesale an asset; permanency and good prospect for suitable applicant. Full particulars to Fairbank Kirby, Ltd., Grimsby.

WET and Dry Counter hands, Qualified and Unqualified, wanted; applicants from Retail trade considered; excellent prospects for promotion. Associated Chemists (Lancs), Ltd., St. Peter Street, Blackburn.

WORKS Manager, Chemist with sound knowledge manufacture and packing modern domestic insecticides, etc., able to organise for post-war trade; small factory S.E. London. State experience, salary required. 635/880, C. & D. London Office.

WHOLESALE (COLONIAL)

BRITISH Trained Chemist for Assam. Applications are invited from British nationals with M.P.S. qualifications, preferably with practical experience in Manufacturing Laboratory or Wholesale Warehouse, for permanent position with old-established British Commercial House in Assam; salary offered Rs. 600 per month (1 rupee = 1s. 6d.), plus cost of living allowance; applicants should be aged about 26 years and unmarried. Apply 939/991, C. & D. London Office.

CHEMIST. Well-known Australian Manufacturing Chemists require experienced Essence Chemist; applicants are requested to supply details of training and experience. 636/915, C. & D. London Office.

TO LIVE IN AUSTRALIA. Highly-qualified Pharmaceutical Chemist with manufacturing knowledge of some of the following, required by leading Australian Company—Tableting, Pill manufacture, Galenicals, Ointment, Drug Grinding. Stating qualifications and experience in writing to 938/971, C. & D. London Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

A QUALIFIED Chemist, just demobilised, would be pleased to hear of any vacancy in the Hertfordshire district. 938/981, C. & D. London Office.

DRUG Store Manager, competent all branches of trade, now free; well recommended. 938/975, C. & D. London Office.

LADY Dispenser (Hall), excellent experience Chemists and Doctors, invites interviews. Reply Advertiser, Flat 4, 13 Queen Gate Terrace, S.W.7.

PART-TIME, experienced senior man, London area. Write "Chemicus," 67A Parkgate Road, S.W.11.

LOCUMS SEEKING ENGAGEMENT

LOCUM, Qualified, 48, available immediately; management or sole charge only; Yorkshire preferred. Please state terms. 938/956, C. & D. London Office.

WHOLESALE

EXPERIENCED Representative relinquishing post seeks re-engagement, first-class experience and connexion, pharmaceuticals, industrial chemicals, hospitals, essential oils. 938/955, C. & D. London Office.

A PHARMACEUTICAL Chemist, A.R.I.C., F.C.S, age 31, good background. Works Manager (controlled 1,000, experienced in factory organisation, administration, etc.), lecturer in Pharmaceutical subjects; at present holding responsible executive post in Government service, but shortly free, wishes to secure position with progressive firm of Manufacturing Chemists where the above experience, plus personality and initiative, would be an asset. 637/950, C. & D. London Office.

EXPERIENCED Representative, young, Irish, L.P.S.I., at present covering English territory for manufacturing firm, desires similar position in Eire; reputable house only. 637/951, C. & D. London Office.

GENTLEMAN calling on Chemists in parts of Kent, Surrey and Essex, required additional lines (own car); commission and expenses. 637/952, C. & D. London Office.

REPRESENTATIVE in Lancs and Yorks requires two additional lines to carry with his present range selling to Chemists, etc., in this area. 637/925, C. & D. London Office.

REPRESENTATIVE (ex-naval officer), good connexion Glasgow and West Scotland area, open to represent house of repute; salary desired £500 a year. Box 223, c/o Howat Advertising, 111 Union Street, Glasgow.

REPRESENTATIVE, ex-serviceman, good address, high credentials, sales ability, with most extensive connexions, Wholesale and Retail chemists and stores, Yorks and North of England. Open to represent house of repute. Write 938/982, C. & D. London Office.

SALES or General Manager, Qualified, very fully experienced, seeks responsible post. 938/957, C. & D. London Office.

SALES Manager, practical experience sales organisation and general business management, desires change; would consider investment or partnership. Inquiries invited. 636/908, C. & D. London Office.

WHOLESALE (COLONIAL)

SOUTH AFRICA, Australia, New Zealand, etc. Pharmacist, experienced executive, wishes to contact firm with view to position in one of the Dominions. 938/979, C. & D. London Office.

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APPOINTMENTS

ESSEX COUNTY COUNCIL

ESSEX COUNTY COUNCIL HOSPITAL,
BLACK NOTLEY

APPOINTMENT OF ASSISTANT DISPENSER

Applications are invited for the appointment of ASSISTANT DISPENSER (non-resident), at the above Hospital, at a salary of £175 a year plus war bonus.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonails and marked "Appointment of Assistant Dispenser" should be addressed to me at the County Hall, Chelmsford, as soon as possible.

Applicants to whom the Control of Engagement Order, 1945, applies, must apply through the Ministry of Labour and National Service.

JOHN E. LIGHTBURN,
Clerk of the County Council.

County Hall, Chelmsford.
November, 1945.

CITY OF MANCHESTER

MONSALL HOSPITAL (600 Beds)

APPOINTMENT OF PHARMACIST (Temporary)

Applications are invited for the post of temporary Pharmacist (non-resident) at the Monsall Hospital for infectious diseases, Newton Heath, Manchester, 10. Although the vacancy is on the permanent assignment of staff, the appointment will be temporary for the time being and, subsequently, the officer appointed will be eligible to apply for the permanent post.

Candidates should possess the qualification of "Pharmaceutical Chemist" as recognised by the Pharmaceutical Society of Great Britain, and have had experience in the work of a hospital dispensary.

The commencing basic salary will be £305 per annum, but further increments of £10, £15, £10 may be granted at the discretion of the Council. A temporary cost of living wages addition amounting, at present, to £60 per annum in respect of a male officer, and £48 5s. per annum in respect of a female officer, is payable in addition to the salary stated. The post is subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Hospitals Administration Section, G.P.O. Box 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 15th December, 1945.

Canvassing in any form, oral or written, direct or indirect, is prohibited.

PHILIP B. DINGLE,
Town Clerk.

Town Hall,
Manchester, 2.
23rd November, 1945.

DEVON MENTAL AND EMERGENCY HOSPITAL

EXMINSTER, Nr. EXETER

ASSISTANT DISPENSER required, Unqualified, male or female. Hospital experience and the holding of Hall Diploma an advantage, but not essential. Hours: 9 a.m. to 5 p.m. daily. Saturdays 9 a.m. to 12.30 p.m. Sunday duty for one hour every third week. Apply, stating age, salary required, when free to commence duties, and enclosing copies of three recent testimonials, to the Medical Superintendent.

RUNWELL HOSPITAL

Near WICKFORD, ESSEX
(1010 Beds)
(County Boroughs of East Ham and Southend-on-Sea)

Amended Advertisement

Applications are invited for the post of PHARMACIST at the above Mental Hospital. Salary £400 per annum, less £20 per annum if emoluments of lunch and tea are taken, plus war bonus, at present £59 16s. males and £48 2s. females. A further £30 per annum is paid if candidate appointed is a Qualified Optician. The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and to the Committee's Sick Pay Regulations. Applications, stating age, experience and qualifications, with copies of three recent testimonials, to the Physician Superintendent, by Monday, the 10th December, 1945.

ST. LUKE'S HOSPITAL, GUILDFORD

ASSISTANT PHARMACIST, Temp. Must be M.P.S. or Ph.C. Salary grade £250 × £10—£300 p.a. plus bonus 23s. p.w. male, 18s. 6d. p.w. female.

WEST RIDING OF YORKSHIRE HOSPITALS BOARD

PINDERFIELDS EMERGENCY HOSPITAL
APPOINTMENT OF
ASSISTANT PHARMACIST

Applications are invited for the position of Assistant Pharmacist at the above Hospital. The commencing salary will be £300 per annum, plus War Bonus, at present at the rate of 23s. per week (£59 16s. per annum).

The position is not under any provisions for superannuation.

Applications, stating age, experience and particulars of qualifications, etc., should be submitted to the Medical Superintendent, Pinderfields Emergency Hospital, Wakefield, forthwith.

G. L. BANNER,
Clerk of the Board.

Board Offices, Wakefield.
November, 1945.

EPSOM COUNTY HOSPITAL

DORKING ROAD, EPSOM

HEAD PHARMACIST. Applicants must possess M.P.S. or Ph.C. qualification. Co. salary according to experience on grade £275 × £10—£325 p.a., plus war bonus 18s. 6d. p.w. female, 23s. p.w. male. The appointment will be on the Council's permanent staff in the case of a female, but male applicants can only be appointed on temporary basis in the first instance.

Apply to Medical Superintendent.

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LEAR Cellophane Bags, 3½ × 3½, 4 × 4, 4½ × 4½; also best quality Pocket Envelopes, gummed ps, 4½ × 7, 6 × 9, for disposal; samples 6d. ddard Chemical Manufacturing Co., 122 Eyre urt, St. John's Wood, N.W.8.

ENTHOL Crystals (Chinese), 2 × 5 lb. Tins. Offers to 939/994, C. & D. London Office.

WO 5-lb. Tins Chinese Menthol for Sale. What Offers? Peter Bassett, 82 Percy Road, Hamp-n-on-Thames.

and 3 gallon Earthenware Jars for sale. Gunn, Whitepost, London Road, Rayleigh, Essex. none Rayleigh 87.

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DVERTISER, M.P.S. (active, 50), seeks Working Partnership in established business; Home unties or S.E. Coast (preferably Southend or hmond/Kingston areas); small living accom-dation essential; capital at immediate disposal 500; references exchanged; interview essential. /970, C. & D. London Office.

ARKETING Man, with thorough knowledge of the modern technique. Experience as Sales-nager. A.1. salesman. Abundant health, Ade-te capital to obtain initial distribution and elop sales. Recently demobilised, Volunteer .F. Radar section. Wishes to contact owner of rocess, product, or proprietary line, possessing cient capital to commence manufacture, where peration can develop a business. 636/893, D. London Office.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

A FIRM of Wholesale Chemists and Sundriesmen, with good representation London and Home Counties, willing to accept additional Agencies for first-class Drugs, Fancy, Optical and Toilet goods suitable for distribution to chemists and similar businesses. Apply Warren, Stanley & Co., Ltd., 196 Station Road, Edgware, Middlesex.

AGENCIES REQUIRED. A new firm of distributors is anxious to contact manufacturers willing to grant agencies for goods selling to Departmental Stores, Chemists, Hairdressers, Co-ops, Grocers, etc., either in single areas or throughout Great Britain. 637/923, C. & D. London Office.

DUBLIN firm open to accept a few good Agencies from actual Manufacturers, connexion with Wholesale and Retail Chemist; central premises for packing and distributing. 636/889, C. & D. London Office.

FREE LANCE AGENTS. Agencies offered in many areas for good selling lines to the retail trade; good terms; only persons who can undertake a fidelity bond need apply. Full details first letter, 637/924, C. & D. London Office.

MANUFACTURERS' Agent calling on all Chemists, Wholesalers and Hospitals in Midlands area and South Wales, will consider new lines which require introduction in that territory; reasonable commission, but lines must be sound and not in short supply. 939/995, C. & D. London Office.

NORTHERN RHODESIA. Old-established Company forming subsidiary Company with adequate capital and personnel to introduce and sell British Products on Agency basis. Agencies sought for Toilet Preparations, Patent Medicines, Hardware, Plastics and other lines; communications invited. Will those interested in securing trade from Northern Rhodesia communicate with Rhodesia Congo Oil & Soap Industries, Ltd., P.O. Box 11, Ndola, Northern Rhodesia.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

ADVERTISER wishes to purchase firm of cosmetic manufacturers with quota between £1,000 and £2,000; all replies treated strictly confidentially. Write 635/857, C. & D. London Office.

ESTABLISHED sundries house has space, staff, transport and qualifided supervision to undertake storage and distribution in London, and for export of drugs, pharmaceutical preparations and cosmetics for provincial firm requiring such facilities. Details to 938/980, C. & D. London Office.

MIDLANDS and North Wales. Traveller in above area wishes to contact manufacturer of high-class goods for sale to retail and wholesale trade who wishes representation on part-time basis in this area. 637/926, C. & D. London Office.

WELL-KNOWN Firm will undertake Manufacturing or Packing Creams or Liquids, also may be able to help with Packing situation; we will pick up and deliver the packed article. 635/884, C. & D. London Office.

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7/6 for 40 words or less, 2d. for every additional word.

FOR Sale. Freehold Premises in progressive Oxfordshire town, in professional block, opposite G.P.O.; nearest chemist quarter mile; excellent living accommodation and shop; price £5,000; garage and garden. 938/954, C. & D. London Office.

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HILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Owners contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

PHARMACIST is desirous of acquiring a well-established Pharmacy, in any town in the Midlands or Northern Counties. A business with branches would not be objected to. Please send details in strict confidence to 636/905, C. & D. London Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

A PASTE or Ointment Mill and a small Homogeniser wanted immediately, must be in good condition. Prices, specifications and capacities of the machines to 938/964, C. & D. London Office.

ASPIRIN B.P. and Phenacetin B.P. wanted for tableting; must be B.P., Crystal if possible; spot cash paid. 635/869, C. & D. London Office.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.19.

BOTTLES, 4-oz. and 8-oz., Screw-capped White Flats required; good price paid for clean bottles with or without caps. 939/989, C. & D. London Office.

BOTTLES wanted, New and Used, 6-oz. size, any type; quantities up to 1,000 gross monthly. Sanoda Manufacturing Co., 216 High Street, Pendleton. 'Phone Pen. 2331.

CITRIC Acid, any quantity up to 10 cwt.; actual user, guaranteed not for re-sale. Send particulars to 938/965, C. & D. London Office.

COMPLETE Colton Automatic Pill Making Plant. Beecham Group, Ltd., St. Helens, Lancs. 'Phone St. Helens 2241.

MICROSCOPES wanted for important work. Send particulars with price required. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1.

PEPSIN Powder wanted. Any quantity, 8 oz. upwards. Offers to 636/913, C. & D. London Office.

PERCOLATOR (about 2-gall. capacity), either new or second-hand if perfect, suitable for making Composition Essence. Booth & Co., New Street, Idle, Bradford.

REQUIRED Powder Filling Machine, power driven, well-known make. Write 938/985, C. & D. London Office.

SANITARY Towels, Soluble, wanted in large quantities; quote price and quantities available. 939/990, C. & D. London Office.

WANTED Urgently. Faulty Latex sheaths and scrap Latex sheeting, same thickness as sheaths. 637/931, C. & D. London Office.

WANTED. 1-oz. Bottles any shape; small and large quantities; highest prices paid. 635/855, C. & D. London Office.

WANTED. Virgin Otto of Rose (Bulgarian). Neroli Bigarade. Best Prices given. Send particulars of date purchased and source and sample if possible to Picot, Ltd., 191 Hammersmith Road, London, W.6. Riv. 3336.

WANTED. Labelling Machine adaptable for 1-oz. Bottles. Wright, 635/856, C. & D. London Office.

WANTED small End Runner Mill for ointments, with preference electrically operated. 938/968, C. & D. London Office.

8-OZ. Plain Medicals, 8-oz. ribbed Ovals, 2–2½-oz. Panels; divisioned cartons to hold any of these. Samples and prices to S. Tatlow & Co., Ltd., Eckington, Sheffield.

26-OZ. and 13-oz. Wine or Champagne Bottles required. 625/524, C. & D. London Office.

10 Gross 1-oz. Ointment Pots for Export; no Lids. Beach & Co., Bridport, Dorset.

EXPORT TRADE

AGENCY for Italy sought by the "Istituto Farmacologico Lombardo," via Passione 15, Milano, Italy, for: Surgical Appliances, Rubber articles, Toilet requisites, Primary Materials for Pharmaceutical industries. Please write to F. Brookes, 25 Alexandra Road, Penn, Wolverhampton, Staffs.

CEYLON—LEADING SALES ORGANISATION with over 50 Agency-Sales Depots and Medical Representatives and Travellers, and importing on own account, is open to take up agencies for all lines in the Pharmaceutical trade, Cosmetics, Perfumery, Confectionery, etc. First-class Bank and Trade references. Universal Trading & Drug Co., Ltd. Agency Dept., G.P.O., Box 385, Colombo, Ceylon.

PARSI Firm with selling organisation throughout India, modern storage accommodation and sound financial position, desires agency and distribution of Plasters, Rubber goods, Patent Medicines, Drugs, Chemicals, Beauty Products, Toilets and Perfumery, Food Products and also Presentation articles. Write R. N. Rustomji & Co., Post Box 88, Waudby Road, Bombay.

SHANGHAI. Agency wanted for Medical and Chemists' Supplies, Cosmetics, etc. Advertiser British, 18 years in Shanghai, having been interned during the war; well known to Chinese and other circles; good prospect for known and enterprising firm; further details if required. 938/983, C. & D. London Office.

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Well-reputed Agency firm, desirous of extending its field of activities, is interested in representing competitive exporters of Cosmetic articles, Chemicals for the cosmetic industry, Toilet articles, Rubber goods, first-class English, Swedish, and Dutch reference. E. Meylink, Kosmetic, Stockholm, De Geersgatan 1.

TOILET Preparations for Export. Inquiries invited from Overseas Buyers (Wholesale and Shippers). Write to Brotex Products, Ltd., 49A Grayling Road, London, N.16.

WELL-reputed Agency firm, desirous of extending its activities, is interested in representing competitive Manufacturers and Exporters of Chemicals (Fine and Heavy), Crude Drugs, Pigments for Paint trade, Essential Oils, Colours, Cosmetics and Toilets, Rubber Goods and Surgical Instruments, Glassware, Corks, etc. Bankers: National Bank of India, Ltd., Lahore (India). Please correspond Harish C. Khosla, Post Box No. 163, Railway Road, Lahore.

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[57/31]

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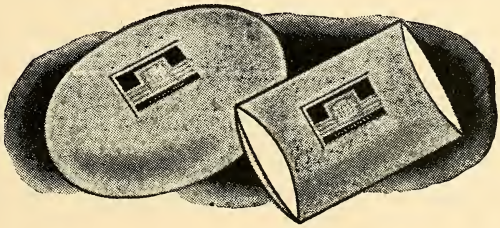

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